H4700-1-

1986-1987
STATISTICAL COMMITTEE
OF THE
EDISON ELECTRIC INSTITUTE

Chairman, C.M. LEE, Utah Power and Light Co., Salt Lake City, UT
Vice Chairman, L.M. THOMAS, III, Southern Company Services, Inc., Atlanta, GA
Staff Representative, T.R. DAUGHERTY, Edison Electric Institute, Washington, D.C.
Yearbook Editor, B.M. DeCAMPO, Edison Electric Institute, Washington, D.C.

P.J. ACOSTA, Louisiana Power & Light Co. and New Orleans Public Service Co., New Orleans, LA

M.S. ALPERT, Boston Edison Co., Boston, MA

S.M. ANDREW, Pacific Gas and Electric Co., San Francisco, CA

C.R. BECK, Public Service Co. of Colorado, Denver, CO

M.C. BLAHA, Central & South West Services, Inc., Dallas, TX

J.T. BLAKLEY, Arkansas Power & Light Co., Little Rock, AR

W.F.Y. CHONG, JR., Hawaiian Electric Co., Inc., Honolulu, HI

L.A. COOK, Georgia Power Co., Atlanta, GA

J.B. COULSTON, Southern California Edison Co., Rosemead, CA

G.C. DEAN, American Electric Power Service Corp., Columbus, OH

D.M. DEMPSEY, Alabama Power Co., Birmingham, AL

S.E. ENNIS, Virginia Electric and Power Co., Richmond, VA

M.J. FRANK, Florida Power & Light Co., Miami, FL

A.C. FREDERICK, Wisconsin Electric Power Co., Milwaukee, WI

R.D. HALL, Ohio Edison Co., Akron, OH

J.D. HARPER, Public Service Co. of Oklahoma, Tulsa, OK

S.B. HARRINGTON, JR., South Carolina Electric & Gas Co., Columbia, SC

B.R. HARTMAN, JR., Pennsylvania Power & Light Co., Allentown, PA

M.A. HEADRICK, Mississippi Power Co., Gulfport, MS

D.E. HRABCHAK, The United Illuminating Co., New Haven, CT

D.F. JONES, Atlantic City Electric Co., Pleasantville, NJ

C.L. KAISER, San Diego Gas and Electric Co., San Diego, CA

J.A. KATHERINE, Philadelphia Electric Co., Philadelphia, PA

W.M. McMANUS, Delmarva Power and Light Co., Wilmington, DE

G.S. MANN, Niagara Mohawk Power Corp., Syracuse, NY

K.W. NABORS, Houston Lighting & Power Co., Houston, TX

V.P. O'GRADY, Baltimore Gas & Electric Co., Baltimore, MD

R.D. PERRY, Gulf States Utilities Co., Beaumont, TX

L.A. RAWLINGS, Union Electric Co., St. Louis, MO

M.S. SILVA-HATCH, Public Service Co. of New Hampshire, Manchester, NH

D.M. SOSTARIC, Duquesne Light Co., Pittsburgh, PA

D.H. TANIS, Public Service Electric and Gas Co., Newark, NJ

H.A. WILLERT, Northern States Power Co., Minneapolis, MN

J.P. YORKE, Consolidated Edison Co. of N.Y., Inc., New York, NY

EDISON ELECTRIC INSTITUTE is the association of electric companies. Its members serve 97 percent of all customers served by the investor-owned segment of the industry. They generate approximately 76 percent of all the electricity in the country and service 73 percent of all ultimate customers in the nation.

Organized in 1933 and incorporated in 1970, EEI provides a principal forum where electric utility people exchange information on developments in their business, and maintain liaison between the industry and the Federal government. Its officers act as spokesmen for investor-owned electric utility companies on subjects of national interest.

Since 1933, EEI has been a strong, continuous stimulant to the art of making electricity. A basic objective is the "advancement in the public service of the art of producing, transmitting, and distributing electricity and the promotion of scientific research in such field." EEI ascertains factual information, data and statistics relating to the electric industry, and makes them available to member companies, the public, and government representatives.

STATISTICAL YEARBOOK

OF THE ELECTRIC UTILITY INDUSTRY/1985

Published December 1986/Number 53

EDISON ELECTRIC INSTITUTE The association of electric companies
1111 19th Street, N.W.
Washington, D.C. 20036-3691

PUBLICATIONS PREPARED BY THE STATISTICS DEPARTMENT

Catalogue of Investor-Owned Electric Utility Companies Operating in the United States.
Complete reference of investor-owned electric utility names and addresses, arranged on a state basis according to location of principal office. Holding companies and systems, and jointly-owned companies are cross-referenced with operating subsidiaries. Ranking of companies according to number of ultimate customers is presented. Published annually in the winter. 42p.

Data Tape of Tables Contained in the Statistical Yearbook.
The reel of magnetic tape (standard label, 6250 BPI, EBCDIC) contains 72 files corresponding to all of the tables printed in the hard-copy version of the Statistical Yearbook. Each file is identified by a data set name in the form: TABLEnn. Documentation is provided showing positional layouts of the data elements in each file. The incorporation of this tape into a data base will facilitate the retrieval and manipulation of series dealing with most aspects of the electric utility industry.

EEI Pocketbook of Electric Utility Industry Statistics.
A pocket-sized quick reference of national electric utility industry data, some dating from 1902 to the present. Categories include data on installed capacity, generation, capital and finance, sales, revenue, customers, fuels and private and public ownership. Published annually in late fall. 36p.

Electric Power Annual Report.
Historical and projected data are presented concerning the electric power supply, expansion of electric generating facilities, and the manufacture of heavy electric power equipment in the U.S. as of the end of the year. Power supply data including peak loads, capability to meet loads, kilowatthour requirements, load factors, and comparison between summer and winter seasons are shown on a total industry basis for each of the nine reliability councils and for total contiguous U.S. Also included are orders and shipment information on the manufacture of heavy electric power equipment in the U.S. and foreign-made equipment to be imported by U.S. electric power systems. Published annually in the summer. 44p.

Glossary of Electric Utility Terms.
Defines the principal statistical reporting terms commonly used in the electric utility industry. Since the last revision in 1970 the Glossary has been expanded to include information and terms on Load Management/Rate Design, Nuclear Generation and additional terms on financial and general operations. Prepared by the EEI Glossary of Electric Terms Subcommittee of the Statistical Committee. 56p.

Guidelines for Defining & Classifying Electric Customers by Major Energy Use.
Provides guidelines within the electric utility industry for counting, classifying, and summarizing customers, categorizing sales and revenues by major energy use, and determining average use and average revenue per customer. The report contains definitions as well as the application of the definitions to specific situations and problem areas. Historically, the industry has based its classifications on rate schedules and it is probable that the recommendations in this report are unsuitable for rate analysis. However, the recommendations are offered as a basis for making a more significant market-oriented representation of sales statistics available to the industry, security analysts, and others with interest in electric utilities. 8p.

Post-Summer Electric Power Survey.
Reports results of a scheduled generating additions survey as of July 1, and a summer peak load survey as of September 15. Contains first actual regional capability, peak load, and percent capacity margin values for the summer season just completed. Also includes information on the manufacture of heavy electric power equipment in the U.S. and foreign-made equipment to be imported by U.S. electric power systems, orders and shipments during the first half of the year and backlogs as of July 1. The presentation of NERC fuel projections has been transferred to this report from the discontinued April issue. Published near the end of each year. 40p.

Problems and Limitations of Intercompany Comparisons of Investor-Owned Electric Utilities.
Assists analysts and others who may wish to make industry-wide comparisons of investor-owned electric utilities. The report illustrates some of the main factors that can facilitate valid intercompany differences in performances. The Executive Summary briefly examines some of the more important factors that lead to performance differences between companies. The Discussion Section covers in greater detail many of the factors that can generate invalid and inaccurate comparisons. Prepared by EEI Problems and Limitations Subcommittee of the Statistical Committee. 51p.

Statistical Releases.
Yearly subscription includes: 1) Electric Output, issued weekly for nine geographic divisions and total U.S.; data for latest 52-week period and calendar year to date; latest quarterly data for installed capacity, generation, customers and sales 2) Quarterly Statistical Report, presents latest sources of electricity, including net generation, net imports of electricity, and net amounts available for distribution; customers, sales, and revenues by class of electric service; average use and revenue data 3) Advance Release, issued in summer, includes selected tables that appear later in Statistical Yearbook 4) Statistical Yearbook of the Electric Utility Industry.

Statistical Yearbook of the Electric Utility Industry.
Data compiled from company reports and other sources on operational and financial aspects of the total electric utility industry. Categories include national and state statistics on installed capacity; electric generation and supply; sales, revenue and customers by class of service; investor-owned data are presented for operating and related ratios; fuel use; financial; and general economics series. Prepared under the general guidance of the EEI Statistical Committee. Published annually in the fall. 101p.

Statistics on Fuel Used to Generate Electricity by the Electric Utility Industry.
In this reformatted report, fuel data are presented for the United States by state and Census Division, detailed by type of fuel (coal, oil, natural gas and nuclear) for both the Total Electric Utility Industry and the Investor-Owned segment. Units consumed, fuel cost in cents per kilowatthour, generation, heat rate and average Btu content are shown for the most recent and four preceding years. Published annually in the fall. 75p.

Order card located in back of book.

CONTENTS

	Chart	Table	Page
Publications Prepared By the Statistics Department			ii
Scope and Coverage			1
1985 in Review			3
Diagrammatic Sketch Showing United States Sources of Electric Generation			4
Summary of 1985 Operations Compared with 1984			
SECTION I—GENERATING CAPACITY			
Total United States:			
By Year, 1965-1985		1	7
Chart—By Ownership, 1965-1985	I-A		6
Total Electric Utility Industry:			
By Ownership and Type of Prime Mover, 1965-1985		2	8
By State and Type of Prime Mover, 1984-1985, at December 31st		3	10
Changes by Type of Prime Mover, 1966-1985		5	12
Investor-Owned Electric Utilities:			
By State and Type of Prime Mover, 1984-1985, at December 31st		4	11
SECTION II—ELECTRIC POWER SUPPLY			
Total United States:			
Capability, Peak Load and kWh Requirements, 1965-1985		7	14
Chart—Capacity, Capability and Peak Load, 1985	II-A		13
Electricity Made Available, Population and kWh Use Per Person, 1965-1985		8	15
Kilowatthour Source and Disposition, 1965-1985		9	16
World Power Data:			
Installed Capacity, Production and Population, 1984		10	17
Chart—Capacity—Six Largest Countries, 1984	II-B		17
SECTION III—GENERATION			
Total Electric Utility Industry:			
By Ownership and Type of Prime Mover, 1965-1985		12	20
Chart—By Year and Type of Prime Mover, 1965-1985	III-A		18
Chart—By Census Divisions, 1985	III-B		19
Per Kilowatt of Installed Capacity—By Ownership and Type of Prime Mover, 1965-1985		13	22
In Percent of Total—By Ownership and Type of Prime Mover, 1965-1985		14	23
By State and Type of Prime Mover, 1984-1985		15	24
By Month and Type of Prime Mover, 1982-1985		17	26
Index of Weekly Electric Output, 1975-1985		18	27
Weekly Electric Output, 1983-1985		19	28
Investor-Owned Electric Utilities:			
By State and Type of Prime Mover, 1984-1985		16	25
By Month and Type of Prime Mover, 1982-1985		17	26
SECTION IV—FUEL			
Generation, Total Electric Utility Industry:			
By Year and Source of Energy, 1965-1985		21	30
Chart—Generation by Source of Energy, 1965-1985	IV-A		29
Percent of Total, By Year and Source of Energy, 1965-1985		22	30
By State and Source of Energy, 1985		23	31
Percent of Total, By State and Source of Energy, 1985		24	32
Consumption of Fossil Fuels for Electric Generation, Total Electric Utility Industry:			
By Year and Kind of Fuel, 1965-1985		25	33
By State and Kind of Fuel, 1985		26	34

	Chart	Table	Page
Analysis of Fuel for Generation, Total Electric Utility Industry:			
By Geographic Division, 1982–1985		27	35
By State, 1985		28	36
Average Cost of Fossil Fuels Delivered to Steam-Electric Utility Plants,			
By Year, 1980–1985		29	37
SECTION V—ENERGY			
Energy Supply and Disposition Balance, 1975–1985		31	39
Chart—Energy Production and Consumption by Fuel, 1975, 1980, 1985	V-A		38
Annual Production of Energy Resources, 1965–1985		32	40
Total Energy Consumption, 1965–1985		33	41
Annual Consumption of Fossil Energy Resources by Sector, 1980–1985		34	42
SECTION VI—ENERGY SALES			
Total Electric Utility Industry:			
By Year and Class of Service, 1965–1985		38	44
In Percent of Total, by Year and Class of Service, 1965–1985		40	45
Chart—By Year and Class of Service, 1975, 1980, 1985	VI-B		45
Chart—By Geographic Division, 1985	VI-C		46
By State and Class of Service, 1985		41A	47
By State and Class of Service, 1984		41B	48
By Quarter and Class of Service, 1980–1985		43	51
Average kWh Use per Customer, by Certain Class of Service, 1965–1985		44	52
Chart—Average kWh Use, by Certain Class of Service, 1970, 1975, 1980, 1985	VI-D		52
Investor-Owned Electric Utilities:			
Chart—By Year and Class of Service, 1965–1985	VI-A		43
By Year and Class of Service, 1965–1985		39	44
By State and Class of Service, 1985		42A	49
By State and Class of Service, 1984		42B	50
Average kWh Use per Customer, by Certain Class of Service, 1965–1985		44	52
SECTION VII—CUSTOMERS			
Total Electric Utility Industry:			
By Year and Class of Service, at December 31st, 1965–1985		47	53
In Percent of Total, by Year and Class of Service, 1965–1985		49	54
By State and Class of Service, at December 31, 1985		50A	55
By State and Class of Service, at December 31, 1984		50B	56
Average Number, by State and Certain Class of Service, 1985		52A	59
Average Number, by State and Certain Class of Service, 1984		52B	60
Investor-Owned Electric Utilities:			
By Year and Class of Service, at December 31st, 1965–1985		48	54
By State and Class of Service, at December 31, 1985		51A	57
By State and Class of Service, at December 31, 1984		51B	58
Average Number, by State and Certain Class of Service, 1985		53A	61
Average Number, by State and Certain Class of Service, 1984		53B	62
SECTION VIII—REVENUES			
Total Electric Utility Industry:			
By Year and Class of Service, 1965–1985		56	64
In Percent of Total, by Year and Class of Service, 1965–1985		58	65
Chart—By Year and Class of Service, 1975, 1980, 1985	VIII-B		65
By State and Class of Service, 1985		59A	66
By State and Class of Service, 1984		59B	67

	Chart	Table	Page
By Quarter and Class of Service, 1980–1985		61	70
Average Revenues per kWh Sold, by Class of Service, 1965–1985		62	72
Average Annual Revenue per Customer, by Certain Class of Service, 1965–1985		64	73
Revenue and Use per Total Ultimate Customer, by State, 1985		65A	74
Revenue and Use per Total Ultimate Customer, by State, 1984		65B	75
Revenue and Use per Residential Customer, by State, 1985		66A	76
Revenue and Use per Residential Customer, by State, 1984		66B	77
Revenue and Use per Commercial Customer, by State, 1985		67A	78
Revenue and Use per Commercial Customer, by State, 1984		67B	79
Chart—By Ownership and Class of Service, 1965, 1970, 1975, 1980, 1985	VIII-A		63
Chart—Average Revenues per kWh Sold, 1965–1985	VIII-C		71
Investor-Owned Electric Utilities:			
By Year and Class of Service, 1965–1985		57	64
Chart—By Class of Service, 1965, 1970, 1975, 1980, 1985	VIII-A		63
By State and Class of Service, 1985		60A	68
By State and Class of Service, 1984		60B	69
Average Revenues per kWh Sold, by Class of Service, 1965–1985		63	72
Average Annual Revenue per Customer, by Certain Class of Service, 1965–1985		64	73
Revenue and Use per Total Ultimate Customer, by State, 1985		65A	74
Revenue and Use per Total Ultimate Customer, by State, 1984		65B	75
Revenue and Use per Residential Customer, by State, 1985		66A	76
Revenue and Use per Residential Customer, by State, 1984		66B	77
Revenue and Use per Commercial Customer, by State, 1985		67A	78
Revenue and Use per Commercial Customer, by State, 1984		67B	79
SECTION IX—FINANCIAL			
Investor-Owned Electric Utilities:			
Construction Expenditures—By Year and Type of Plant, 1965–1985		69	81
Chart—Construction Expenditures—By Type of Plant, 1965, 1970, 1975, 1980, 1985	IX-A		80
Combined Balance Sheets, 1980–1985		70	82
Combined Income Statements, 1980–1985		71	83
Detail of Electric Operation and Maintenance Expenses, 1980–1985		72	84
Detail of Taxes, Electric Department, 1980–1985		73	84
Capitalization and Capitalization Ratios, 1980–1985		74	85
Investor-Owned Utilities:			
Long-Term Financing—By Year, Type of Issue, Purpose and Type of Utility, 1980–1985		75	86
Moody's Weighted Average of Yields on Newly Issued Domestic Bonds and Preferred Stocks, 1965–1985		76	87
Moody's Average Yields on Utility Bonds and Stocks—at Quarter-Year Periods and by Quality Groups, 1975–1985		77	88
Moody's 24 Utility Common Stock Averages—Market Price, Dividend Rate, Yield and Earnings, 1981–1986		78	89
SECTION X—ECONOMICS AND OTHER			
Consumer Price Index, 1962–1985		82	90
Residential Electricity and Consumer Price Index, 1965–1985		83	91
Producer Price Index—All Items and Selected Industrial Commodities, 1965–1985		84	92
Cost Trends of Electric Light and Power Construction, by Geographic Divisions, 1965–1985		85	93
Cost of Industrial Purchased Electric Power as a Percent of Value of Product Shipment, 1977–1982		86	93
Weighted Average Electric Bills, by Geographic Division and Certain Class of Service, 1984–1985		87	94
Circuit Miles of Overhead Electric Line of 22,000 Volts and Above, by State and Voltage Group:			
Total Electric Utility Industry, 1983–1985		88	95
Investor-Owned Electric Utilities, 1983–1985		89	96
Average Number of Employees—Electric Department, 1965–1985		90	97
Glossary			99
Index			101
Map Showing Geographic Divisions as Used in Statistics of Weekly Output			102
Map Showing United States Census Geographic Divisions			103

Scope and Coverage

This publication presents data on the electric utility industry, including generation, energy sales, customers and revenues, financial and economic. These data are collected and compiled from various sources as indicated on page 3. In all sections, except the Financial Section, data are presented for Investor-Owned Electric Utilities and the Total Electric Utility Industry. Dissimilarity between the investor-owned and the publicly-owned segments of the electric utility industry would make overall financial data incompatible even if it were available. Therefore, in the Financial Section, data are shown for Investor-Owned Electric Utilities only.

1985 in Review

The installed generating capacity of the electric utility industry at December 31, 1985 was 688,733 megawatts, an increase of 2.4 percent over December 31, 1984.

No. of units added during 1985

Hydro	Conventional Steam	Nuclear Steam	Internal Combustion
26	16	7	3

Statistics on capacity and generation from pumped storage are included in hydroelectric and those for gas turbine are included in conventional steam.

A comparison between the 1985 and 1984 total electric utility industry generation presents the following:

- Generation of electricity in the United States increased approximately 2.2 percent.
- Generation by oil decreased to 4.1 percent from 5.0 percent of total generation.
- Generation by hydroelectric power decreased 12.5 percent. Generation by natural gas increased to 11.8 percent from 12.3 percent of total generation.
- Generation by coal increased from 55.5 percent to 56.8 percent of total generation; generation by nuclear power plants increased from 13.6 percent to 15.5 percent of total generation. Nuclear is surpassed only by coal as a fuel for our nation's essential electric power supply.

Electric output, representing the total amount of electricity available for distribution, during 1985 was 2.4 percent higher than in 1984. The highest weekly electric output occurred in the week ending January 26, 1985, with a record of 54.7 billion kilowatthours. The extreme cold, especially in the Southeast region, produced this record which was unusual because the highest weekly output is generally experienced during the summer.

Energy sales to ultimate customers totalled 2,315 billion kilowatthours, an increase of approximately 1.5 percent over the previous year. Total utility revenues from ultimate customers were $149 8 billion in 1985, an increase of 4.7 percent over the previous year, resulting mainly from an overall increase in sales and rate increases. Residential revenues were up 5.1 percent, revenues from commmercial customers increased 7.2 percent while there was only a 1.6 percent rise in industrial revenues due primarily to a slight decrease in industrial sales.

The total number of ultimate customers at December 31, 1985 was 101,518,814. Approximately 88.4 percent of this total were residential customers. In 1985 residential customers increased 2.0 percent from 1984. In the last 10 years residential customers have increased 21.0 percent.

For the investor-owned electric utilities the 1985 total electric operating revenues increased 4.5 percent to $125.5 billion. Contributing to the increase in revenues were economic growth and increased sales. Electric operating expenses increased 4.2 percent to $101.4 billion. The cost of fuel represented 52.1 percent of total operation and maintenance expenses, down from 55.3 percent in 1984. Electric operating income of $24.2 billion was 19.3 percent of total operating revenues. Retained earnings reached $43.9 billion, an 8.6 percent increase over the $40.4 billion recorded in 1984.

In 1985 electric plant construction expenditures for the investor-owned electric utilities decreased to $33.3 billion (including nuclear fuel) from $35.3 billion in 1984. Of this 1985 total, $6.9 billion was the allowance for funds used during construction (AFUDC), a non-cash item of current income which is added to the plant account for future collection.

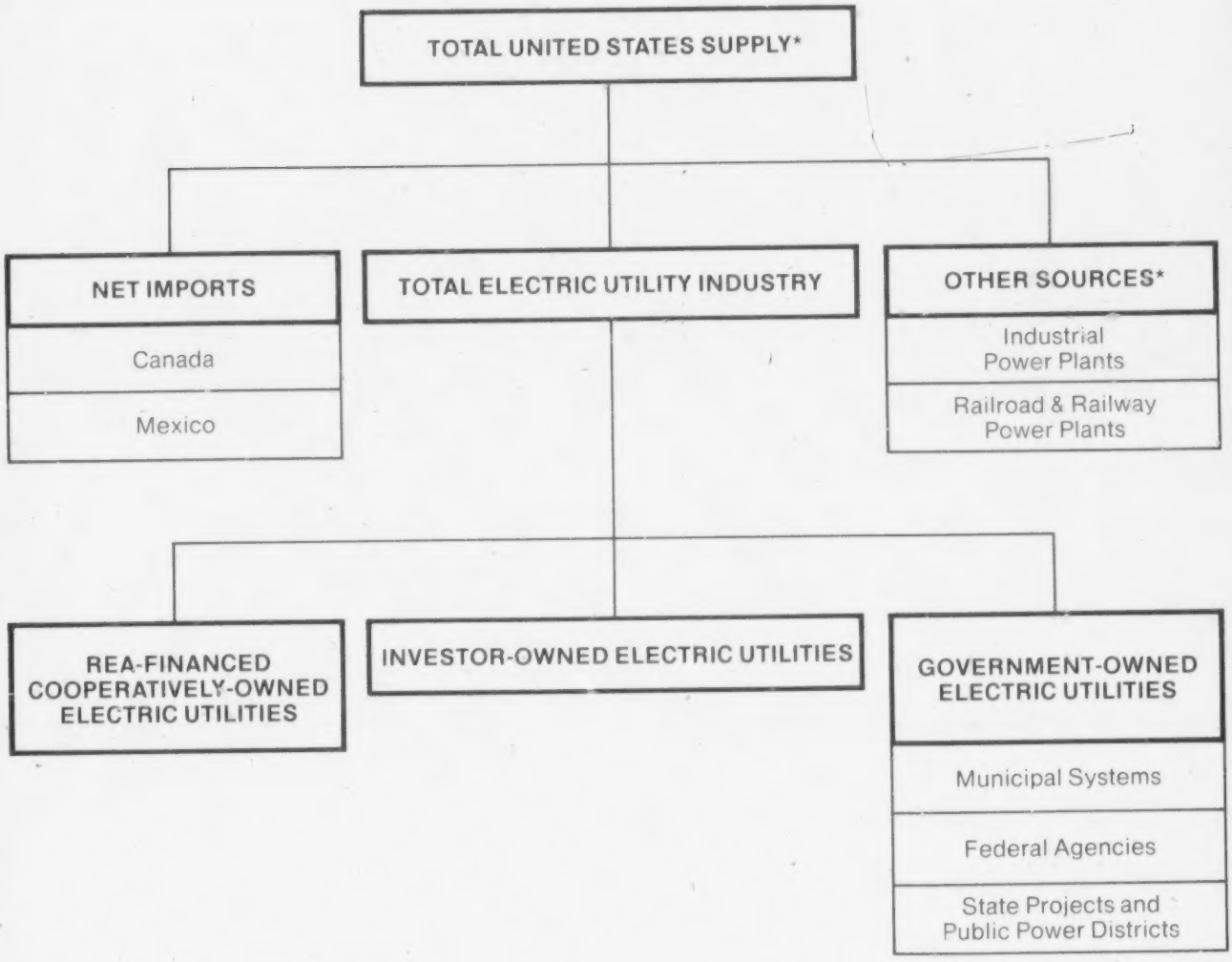
Total interest charges aggregated $12.8 billion up 8.7 percent over 1984. The average interest rate on new long-term debt issued during 1985 was 11.9 percent.

Since 1976 long-term debt as a percentage of total capitalization has gradually declined from 51.9 to 48.2 percent in 1985. Correspondingly, common capital stock equity increased from 35.5 to 41.9 percent by year-end 1985.

The average common stock dividend payout ratio was 68 percent in 1985. Ten years ago it was 67 percent. The earned return on average common equity averaged 13.8 percent from 14.4 percent in 1984. During 1985, the investor-owned electric utilities were granted an estimated $4.69 billion in rate increases on an annualized basis. This is 1.3 percent below the $4.75 billion granted in 1984. AFUDC as a percentage of net income after preferred dividends and before common dividends was 50.3 percent.

In 1985 the investor-owned electric utilities raised $11.4 billion in new long-term financing, a 2.8 percent increase from 1984. Of this total, 80.5 percent was long-term debt, 13.8 percent was common stock and the remaining 5.7 percent was preferred stock. Additionally, the industry raised an estimated $3.0 billion in new equity capital as a result of participation by stockholders in dividend reinvestment plans. The new equity capital included not only dividend reinvestment, but also supplementary cash contributions by stockholders.

UNITED STATES SOURCES OF ELECTRIC GENERATION BY TYPE OF OWNERSHIP



*Does not include generation of isolated plants in institutions, hotels, apartment houses, office buildings, amusement parks, etc., for which information is not available.

	Total Electric Utility Industry			
			Increase	
	1985	1984	Amount	Percent
GENERATING CAPACITY—SECTION I (kW in Thousands)				
Installed Name Plate at Beginning of Year	672,462	658,182	14,280	2.2
Added During Year				
Retired During Year				
Net Adjustments*				
Balance at December 31	688,733	672,462	16,271	2.4
ELECTRIC POWER SUPPLY—SECTION II (kW in Thousands)				
Capability at Time of Summer Peak Load (Contiguous U.S.)	621,597	604,240	17,357	2.9
Non-Coincident Summer Peak Load (Contiguous U.S.)	460,503	451,150	9,353	2.1
Capacity Margin (Contiguous U.S.)	25.9%	25.3%		
GENERATION—SECTION III (kWh in Millions)				
Hydro	281,149	321,150	(40,001)	(12.5)
Conventional Steam	1,803,323	1,765,608	37,715	2.1
Nuclear Steam	383,691	327,634	56,057	17.1
Internal Combustion	1,662	1,901	(239)	(12.6)
Total Generation	2,469,841**	2,416,304**	53,537	2.2
Purchases from Industrial Sources	25,137	17,746r	7,391	41.6
Imports from Canada and Mexico	45,901	42,219	3,682	8.7
Total Energy Input†	2,540,879**	2,476,269**r	64,610	2.6
FUEL—SECTION IV				
Average Cost of Fuel per net kWh	2.27¢	2.41¢	(0.14)¢	(5.8)
Lbs. of Coal per Net kWh Generated	0.990	0.990	0.000	0.0
Average Btu per Net kWh Generated	10,426	10,385r	41	0.4
ENERGY—SECTION V (BTUs in Quadrillion)				
Annual Production of Energy	64.73p	65.85r	(1.12)	(1.7)
Total Energy Supply & Disposition	78.06p	77.91r	0.15	0.2
ENERGY SALES—SECTION VI (kWh in Millions)				
Residential	797,010p	782,608r	14,402	1.8
Commercial	608,480p	578,083r	30,397	5.3
Industrial	821,990p	835,486r	(13,496)	(1.6)
Street and Highway Lighting	13,954p	14,205r	(251)	(1.8)
Other	73,572p	70,203r	3,369	4.8
Total Sales to Ultimate Customers	2,315,006p	2,280,585r	34,421	1.5
Exports to Canada and Mexico	4,965	2,558	2,407	94.1
Energy Accounted for but Not Sold	11,167p	13,807r	(2,640)	(19.1)
Lost and Unaccounted for	209,741p	179,319r	30,422	17.0
Total Disposition of Energy†	2,540,879p	2,476,269r	64,610	2.6
kWh Used per Customer (Average for Year)				
Residential	8,959p	8,978r	(19)	(0.2)
Commercial	57,369p	55,205r	2,164	3.9
Total Ultimate Customer	23,005p	23,152r	(147)	(0.6)
CUSTOMERS AT YEAR END—SECTION VII (Thousands)				
Residential	89,741p	87,939r	1,802	2.0
Commercial	10,726p	10,565r	161	1.5
Industrial	708p	526r	182	34.6
Street and Highway Lighting	141p	140r	1	0.7
Other	203p	201r	2	1.0
Total Ultimate Customers	101,519p	99,371r	2,148	2.2
REVENUES—SECTION VIII (Millions of Dollars)				
Residential	$ 58,973p	$ 56,116r	$ 2,857	5.1
Commercial	44,237p	41,254r	2,983	7.2
Industrial	41,445p	40,796r	649	1.6
Street and Highway Lighting	1,425p	1,376r	49	3.6
Other	3,757p	3,551r	206	5.8
Total Revenues from Ultimate Customers	$ 149,836p	$ 143,093r	$ 6,743	4.7
Exports to Canada and Mexico	25	22	3	13.6
Total Revenues from Sales of Energy	$ 149,861p	$ 143,114r	$ 6,747	4.7
Average Annual Revenue per Customer				
Residential	$ 662.88p	$ 643.75r	$ 19.13	3.0
Commercial	$4,170.74p	$3,939.57r	$231.17	5.9
Total Ultimate Customers	$1,488.97p	$1,452.62r	$ 36.35	2.5
Average Revenue per kWh				
Residential	7.40¢p	7.17¢r	0.23¢	3.2
Commercial	7.27¢p	7.14¢r	0.13¢	1.8
Total Ultimate Customer	6.47¢p	6.27¢r	0.20¢	3.2
ECONOMICS & OTHER—SECTION X				
Miles of Overhead Electric Line, 22 kV and Above	607,052	601,261r	5,791	1.0
Employees of Investor-Owned Electric Utilities	524,503	516,100	8,403	1.6
Plant Ratio-kWh Generated/kW of Capacity‡	3.629	3.632	(3)	N/A

Note: Total may not equal sum of components due to independent rounding.

**Represents reclassification in ownership between industrial and electric utility plants and rerating of turbines within the Electric Utility Industry.*

***Total includes generation by wind (1984-6.5 kWh in millions; 1985-5.8 kWh in millions) and generation by solar (1984-5.2 kWh in millions; 1985-10.6 kWh in millions).*

†Excludes industrial for own use. ‡On basis of installed name plate capacity.

p Preliminary. r Revised. ( ) Denotes negative figure. N/A Not applicable.

FINANCIAL – SECTION IX (Millions of Dollars)	Investor-Owned Electric Utilities			
			Increase	
	1985	1984	Amount	Percent
COMBINED BALANCE SHEETS				
ASSETS				
Utility Plant				
Electric	$317,392	$277,374	$ 40,018	14.4
Other	18,954	18,219	735	4.0
Total Utility Plant	336,345	295,592	40,753	13.8
Accumulated Provision for Depreciation and Amortization	92,567	84,306	8,261	9.8
Net Utility Plant	243,778	211,285	32,493	15.4
Nuclear Fuel	13,979	11,587	2,392	20.6
Accumulated Provision for Amortization of Nuclear Fuel Assemblies	5,461	4,219	1,242	29.4
Net Nuclear Fuel	8,518	7,368	1,150	15.6
Construction Work in Progress	84,092	95,491	(11,399)	(11.9)
Net Total Utility Plant	336,389	314,145	22,244	7.1
Other Property and Investment	9,557	9,359	198	2.1
Total Current and Accrued Assets	40,427	37,823	2,604	6.9
Total Deferred Debits	16,194	18,065	(1,871)	(10.4)
Total Assets	$402,567	$379,392	$ 23,175	6.1
CAPITALIZATION AND LIABILITIES				
Capitalization				
Common Capital Stock	$ 51,556	$ 47,842	$ 3,714	7.8
Other Paid-In Capital Excluding Retained Earnings	34,036	33,886	150	0.4
Retained Earnings	43,902	40,423	3,479	8.6
Total Common Capital Stock Equity	129,495	122,151	7,344	6.0
Preferred Stock	30,614	29,882	732	2.4
Total Long-Term Debt	148,944	141,693	7,251	5.1
Total Capitalization	309,052	293,727	15,325	5.2
Total Other Non-Current Liabilities	3,278	N/A	N/A	N/A
Total Current and Accrued Liabilities	38,718	36,851	1,867	5.1
Total Deferred Credits and Operating Reserves	21,509	22,232	(723)	(3.3)
Contributions in Aid of Construction	156	145	11	7.6
Deferred Income Taxes	29,853	26,438	3,415	12.9
Total Liabilities	$402,567	$379,392	$ 23,175	6.1
COMBINED INCOME STATEMENTS				
Operating Revenues – Electric Department	$125,547	$120,090	$ 5,457	4.5
Operating Expenses Including Maintenance	70,300	68,161	2,139	3.1
Depreciation, Depletion and Amortization	10,302	9,249	1,053	11.4
Taxes	20,748	19,883	865	4.4
Total Operating Expenses	101,350	97,294	4,056	4.2
Operating Income	24,197	22,796	1,401	6.1
Other Income (Non-Operating), Net	7,445	7,290	155	2.1
Other Departments	1,333	1,378	(45)	(3.3)
Income before Interest Charges (Gross Income)	32,976	31,465	1,511	4.8
Total Interest Charges	12,794	11,771	1,023	8.7
Income before Extraordinary Items	20,183	19,694	489	2.5
Extraordinary Items	(1,659)	(22)	1,637	N/A
Net Income	18,525	19,672	(1,147)	(5.8)
Preferred Dividend Charges	2,877	2,828	49	1.7
Available for Common Stock	15,647	16,844	(1,197)	7.1
Common Dividends	11,817	11,077	740	6.7
Net Income After Dividends	$ 3,830	$ 5,767	$ (1,937)	(33.6)
Electric Utility Financing				
Long-Term Debt	$ 12,517	$ 10,173r	$ 2,344	23.0
Preferred Stock	655	888	(233)	(26.2)
Common Stock	1,650	930	720	77.4
Total Capital	$ 14,822	$ 11,992r	$ 2,830	23.6
Construction Expenditures				
Production	$ 21,372	$ 23,939	$ (2,567)	(10.7)
Transmission	1,863	2,250	(387)	(17.2)
Distribution	6,590	5,899	691	11.7
Other	3,468	3,197	271	8.5
Total	$ 33,294	$ 35,285	$ (1,991)	(5.6)

Note: Total may not equal sum of components due to independent rounding.
r Revised. ( ) Denotes negative figure. N/A Not applicable.

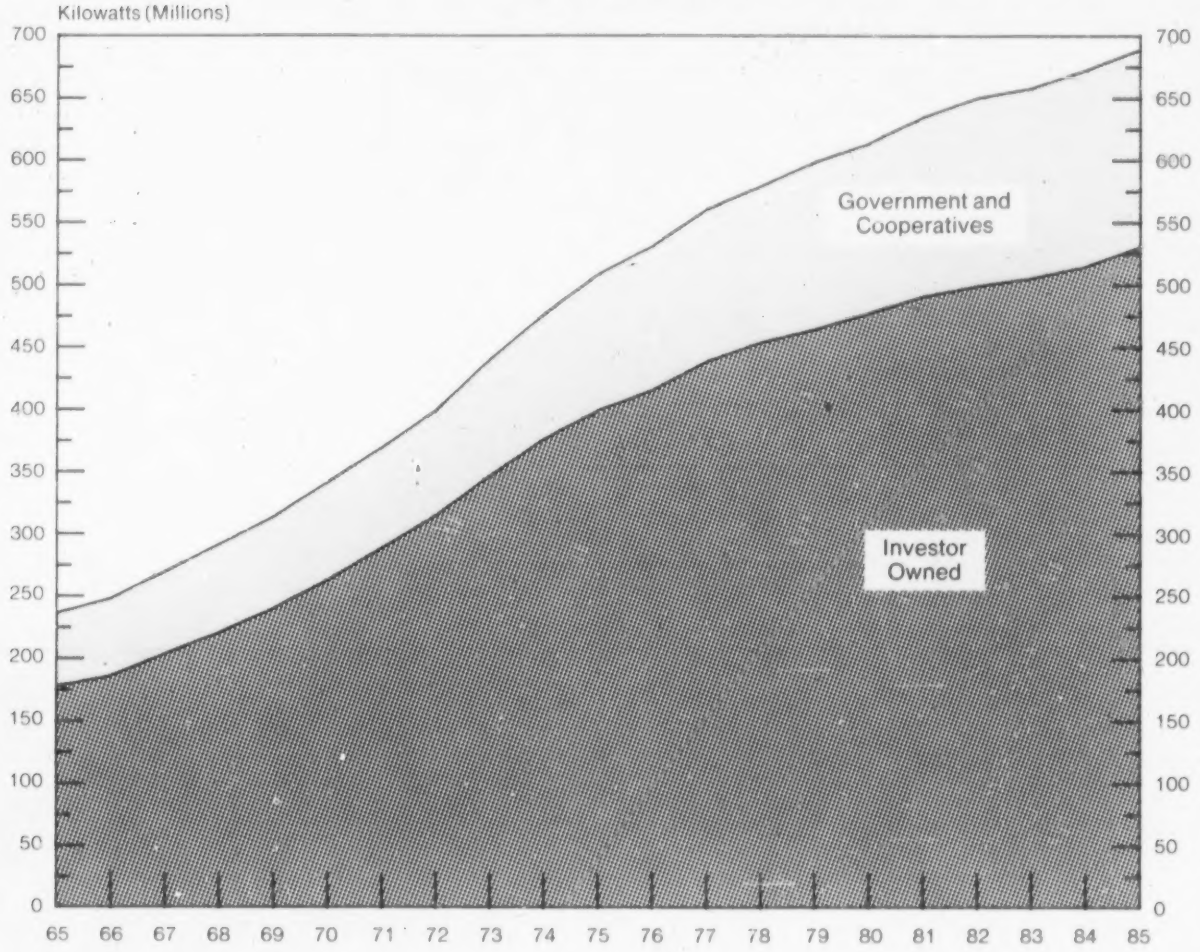
GENERATING CAPACITY

SECTION I

CHART I-A

INSTALLED GENERATING CAPACITY

TOTAL UNITED STATES



Based on Table 1, page 7.
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report *(EIA-759).*

TABLE 1

INSTALLED GENERATING CAPACITY IN THE UNITED STATES

KILOWATTS IN THOUSANDS (NAME PLATE)

At December 31st	Investor-Owned Utilities	Government and Cooperatives	Total Electric Utility Industry	Other Sources*	Total United States
1985	**530,405**	**158,328**	**688,733**	**N/A**	**688,733****
1984	514,863	157,600	672,462	N/A	672,462**
1983	505,487	152,695	658,182	16,765e	674,947
1982	499,111	150,994	650,105	16,938e	667,043
1981	490,767	144,041	634,808	17,142e	651,950
1980	477,083	136,612	613,695	17,323e	631,018
1979	464,144	134,299	598,443	17,436	615,879
1978	453,647	125,665	579,312	19,391	598,703
1977	438,385	121,976	560,361	19,245	579,606
1976	415,504	115,658	531,162	19,113	550,275
1975	399,036	109,378	508,414	19,177	527,591
1974	376,122	100,046	476,168	19,351	495,519
1973	346,476	93,399	439,875	19,377	459,252
1972	314,353	84,400	398,753	18,768	417,521
1971	288,301	80,779	369,080	19,297	388,377
1970	262,675	78,415	341,090	19,237	360,327
1969	240,078	73,271	313,349	19,257	332,606
1968	220,766	70,292	291,058	19,123	310,181
1967	203,580	65,672	269,252	18,933	288,185
1966	185,671	62,172	247,843	18,973	266,816
1965	177,570	58,557	236,127	18,393	254,520

Note: Total may not equal sum of components due to independent rounding.

** Estimates for this category since 1984 no longer deemed appropriate due to non-reporting of capacity data from industrial, mine and railway electric power plants.*

*** Excludes Other Sources.*

N/A Not available.

e Estimated by EEI.

Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 2

INSTALLED GENERATING CAPACITY
TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
KILOWATTS IN THOUSANDS (NAME PLATE)

At December 31st	Total Electric Utility Industry†	Investor-Owned Utilities	Cooperatives	Subtotal Government	Municipal Utilities	Federal	Power Districts, State Projects
TOTAL (Capacity of Generators Driven by All Types of Prime Mover)							
1985	**688,733**	**530,405**	**24,574**	**133,754**	**37,017**	**63,710**	**33,027**
1984	672,462	514,863	24,738	132,862	36,717	63,304	32,841
1983	658,182	505,487	22,202	130,493	36,598	62,973	30,923
1982	650,105	499,111	21,463	129,530	35,819	62,544	31,168
1981	634,808	490,767	18,406	125,635	35,125	60,982	29,527
1980	613,695	477,083	15,422	121,190	34,598	59,083	27,509
1979	598,443	464,144	13,837	120,462	34,525	58,346	27,591
1978	579,312	453,647	11,635	114,030	34,426	54,282	25,322
1977	560,361	438,385	10,889	111,087	33,291	53,183	24,613
1976	531,162	415,504	9,947	105,711	30,602	51,707	23,402
1975	508,414	399,036	9,136	100,242	28,787	50,133	21,322
1974	476,168	376,122	7,474	92,572	27,324	45,518	19,730
1973	439,875	346,476	7,288	86,111	24,956	44,520	16,635
1972	398,753	314,353	6,704	77,696	23,049	40,408	14,239
1971	369,080	288,301	5,470	75,309	21,992	39,656	13,661
1970	341,090	262,675	5,162	73,253	20,941	38,718	13,594
1969	313,349	240,078	4,318	68,953	20,035	36,130	12,788
1968	291,058	220,766	3,434	66,858	19,429	34,956	12,473
1967	269,252	203,580	3,019	62,653	18,049	33,640	10,964
1966	247,843	185,671	2,758	59,414	16,548	32,608	10,258
1965	236,127	177,570	2,309	56,248	15,407	31,690	9,151
HYDRO (Capacity of Generators Driven by Water Wheels and Turbines)							
1985	**83,015**	**27,571**	**104**	**55,340**	**5,159**	**37,631**	**12,550**
1984	80,590	26,127	81	54,382	4,850	37,139	12,393
1983	78,968	24,977	81	53,910	4,781	36,803	12,326
1982	78,128	24,584	81	53,464	4,729	36,378	12,357
1981	77,145	24,319	67	52,759	4,686	35,891	12,182
1980	76,378	24,227	67	52,084	4,692	35,212	12,180
1979	75,351	23,916	67	51,368	4,693	34,495	12,180
1978	71,014	23,847	67	47,100	4,694	30,431	11,975
1977	68,762	23,158	67	45,537	4,431	29,332	11,774
1976	67,757	23,134	67	44,556	4,010	29,031	11,515
1975	65,949	23,115	67	42,767	3,760	27,480	11,527
1974	63,560	22,737	54	40,769	3,814	25,447	11,508
1973	61,782	21,770	56	39,956	3,334	25,582	11,040
1972	56,386	19,122	54	37,210	3,330	24,336	9,544
1971	55,912	19,076	54	36,782	3,260	24,056	9,466
1970	55,056	18,850	56	36,150	3,195	23,499	9,456
1969	52,753	18,444	56	34,253	3,195	22,054	9,004
1968	51,168	18,337	57	32,774	3,177	20,905	8,692
1967	48,112	18,134	57	29,921	2,623	19,589	7,709
1966	44,977	16,381	57	28,539	2,005	19,531	7,003
1965	43,782	16,096	58	27,628	2,005	18,717	6,906
CONVENTIONAL STEAM (Capacity of Generators Driven by Steam Engines and Turbines)							
1985	**520,299**	**433,103**	**24,098**	**63,098**	**27,764**	**20,177**	**15,156**
1984	516,537	429,047	24,278	63,212	27,788	20,244	15,181
1983	507,136	422,944	21,767	62,424	27,737	20,244	14,444
1982	503,804	420,863	21,011	61,930	27,026	20,246	14,658
1981	491,287	413,571	17,939	59,778	26,199	20,392	13,187
1980	475,276	403,031	14,954	57,291	25,697	20,393	11,201
1979	462,999	392,349	13,375	57,275	25,599	20,378	11,298
1978	449,231	383,024	11,073	55,134	25,511	20,378	9,245
1977	436,426	371,976	10,429	54,021	24,590	20,378	9,053
1976	415,181	355,263	9,061	50,857	22,396	20,355	8,106
1975	397,649	340,907	8,264	48,478	20,843	20,332	7,303
1974	375,940	323,490	7,017	45,433	20,395	18,899	6,139
1973	352,072	303,536	6,836	41,700	18,511	18,917	4,272
1972	322,201	279,129	6,254	36,818	16,895	16,052	3,871
1971	299,996	260,016	5,018	34,962	16,026	15,576	3,360
1970	275,191	236,792	4,761	33,638	15,141	15,194	3,303
1969	252,411	217,196	3,925	31,290	14,291	14,051	2,948
1968	233,095	199,285	3,031	30,779	13,807	14,026	2,946
1967	214,435	182,340	2,608	29,487	13,046	14,026	2,415
1966	197,415	167,370	2,348	27,697	12,230	13,052	2,415
1965	188,054	159,800	1,902	26,352	11,197	12,948	2,207

See page 9 for footnotes.

TABLE 2 (continued)

INSTALLED GENERATING CAPACITY
TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
KILOWATTS IN THOUSANDS (NAME PLATE)

At December 31st	Total Electric Utility Industry†	Investor-Owned Utilities	Cooperatives	Subtotal Government	Municipal Utilities	Federal	Power Districts, State Projects
NUCLEAR STEAM (Capacity of Generators Driven by Nuclear Reactors)							
1985	**80,397**	**68,238**	**50**	**12,109**	**963**	**5,897**	**5,249**
1984	70,484	58,380	50	12,054	963	5,897	5,194
1983	67,073	56,069	50	10,954	963	5,897	4,094
1982	63,042	52,038	50	10,954	963	5,897	4,094
1981	60,776	50,992	50	9,734	963	4,677	4,094
1980	56,488	47,960	50	8,478	963	3,456	4,059
1979	54,593	46,065	50	8,478	963	3,456	4,059
1978	53,527	44,984	65	8,478	963	3,456	4,059
1977	49,880	41,654	55	8,171	963	3,456	3,752
1976	42,918	35,419	480	7,019	963	2,304	3,752
1975	39,754	33,539	480	5,735	963	2,304	2,468
1974	31,662	28,397	55	3,210	–	1,152	2,058
1973	21,118	19,766	53	1,299	–	–	1,299
1972	15,302	14,449	53	800	–	–	800
1971	8,688	7,833	55	800	–	–	800
1970	6,493	5,693	–	800	–	–	800
1969	3,980	3,180	–	800	–	–	800
1968	2,817	2,017	–	800	–	–	800
1967	2,887	2,087	**	800**	**	–	800
1966	1,942	1,142**	**	800**	**	–	800
1965	926	926**	**	**	**	–	**
INTERNAL COMBUSTION (Capacity of Generators Driven by Internal Combustion Engines)							
1985	**5,001**	**1,477**	**322**	**3,202**	**3,130**	*	**72**
1984	4,841	1,306	330	3,205	3,115	17	73
1983	4,996	1,494	304	3,198	3,117	22	58
1982	5,131	1,627	321	3,182	3,101	22	60
1981	5,600	1,885	351	3,364	3,278	22	65
1980	5,553	1,865	351	3,337	3,246	22	69
1979	5,500	1,814	345	3,341	3,270	17	54
1978	5,540	1,792	430	3,318	3,258	17	43
1977	5,293	1,597	338	3,358	3,307	17	34
1976	5,306	1,688	339	3,279	3,233	17	29
1975	5,062	1,475	325	3,262	3,221	17	24
1974	5,006	1,498	348	3,160	3,115	20	25
1973	4,903	1,404	343	3,156	3,111	21	24
1972	4,864	1,653	343	2,868	2,824	20	24
1971	4,484	1,376	343	2,765	2,706	24	35
1970	4,350	1,340	345	2,665	2,605	25	35
1969	4,205	1,258	337	2,610	2,549	25	36
1968	3,978	1,127	346	2,505	2,445	25	35
1967	3,818	1,019	354	2,445	2,380	25	40
1966	3,509	778	353	2,378	2,313	25	40
1965	3,365	748	349	2,268	2,205	25	38

Note: Total may not equal sum of components due to independent rounding.

†Beginning 1983 wind turbine capacity included in total; Total Electric Utility Industry (1983)–9.3 kW in thousands; Investor-Owned Utilities–2.8 kW in thousands; Federal–6.5 kW in thousands. Total Electric Utility Industry (1984)–9.6 kW in thousands; Investor-Owned Utilities–2.9 kW in thousands; Municipal Utilities–0.1 kW in thousands; Federal–6.6 kW in thousands. Total Electric Utility Industry (1985)–7.4 kW in thousands; Investor-Owned Utilities–3.2 kW in thousands; Municipal Utilities–0.1 kW in thousands; Federal–4.1 kW in thousands. Beginning 1984 solar capacity included in total; Total Electric Utility Industry (1984)–1.0 kW in thousands; Municipal Utilities–1.0 kW in thousands. Total Electric Utility Industry (1985)–13.5 kW in thousands; Investor-Owned Utilities–12.5 kW in thousands; Municipal Utilities–1.0 kW in thousands.

**Less than five hundred kilowatts.*

***Generator capacity of the following plants is included in Conventional Steam:*
Piqua–Piqua Municipal Power Plant, Ohio
Elk River–Rural Cooperative Power Assoc., Minnesota
Sheldon–Consumer's Public Power District, Nebraska
Parr–South Carolina Electric & Gas Co., South Carolina

Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 3

INSTALLED GENERATING CAPACITY TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
AT DECEMBER 31st, 1984 and 1985 – KILOWATTS IN THOUSANDS (NAME PLATE)

	Total Electric Utility Industry†		Hydro		Conventional Steam		Nuclear Steam		Internal Combustion	
Division/State	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984
Total United States	**688,733**	**672,462**	**83,015**	**80,590**	**520,299**	**516,537**	**80,397**	**70,484**	**5,001**	**4,841**
Maine	2,383	2,380	373	365	1,104	1,104	864	864	42	47
New Hampshire	1,536	1,536	389	389	1,147	1,147	–	–	–	–
Vermont	1,015	1,010	207	203	223	223	563	563	21	20
Massachusetts	10,009	10,096	1,656	1,655	7,338	7,405	863	863	151	173
Rhode Island	270	270	2	2	243	243	–	–	26	26
Connecticut	6,066	6,095	132	132	3,741	3,770	2,172	2,172	20	20
New England	**21,279**	**21,387**	**2,759**	**2,746**	**13,797**	**13,892**	**4,462**	**4,462**	**260**	**287**
New York	32,532	32,501	4,997	5,003	23,355	23,318	4,068	4,068	112	111
New Jersey	13,379	13,372	387	389	10,102	10,092	2,890	2,890	*	*
Pennsylvania	34,521	33,798	1,761	1,649	26,286	26,826	6,402	5,250	72	72
Middle Atlantic	**80,432**	**79,670**	**7,145**	**7,041**	**59,743**	**60,237**	**13,360**	**12,208**	**184**	**184**
Ohio	27,224	27,301	50	50	26,111	26,184	962	962	101	106
Indiana	20,137	20,178	110	93	19,786	20,033	–	–	241	53
Illinois	32,814	31,931	27	27	23,447	23,787	9,075	7,850	266	267
Michigan	23,562	23,122	2,327	2,323	17,695	17,259	3,172	3,172	368	368
Wisconsin	11,679	10,683	404	403	9,547	8,556	1,633	1,633	95	91
East North Central	**115,416**	**113,216**	**2,917**	**2,896**	**96,587**	**95,819**	**14,841**	**13,616**	**1,071**	**884**
Minnesota	8,533	8,522	141	143	6,339	6,327	1,755	1,755	298	297
Iowa	8,572	8,672	130	130	7,463	7,552	597	597	382	393
Missouri	16,501	15,645	1,065	1,004	13,868	14,330	1,236	–	332	311
North Dakota	4,210	4,186	430	430	3,753	3,728	–	–	27	28
South Dakota	2,308	2,308	1,383	1,383	862	862	–	–	63	63
Nebraska	6,042	5,941	284	234	4,151	4,100	1,338	1,338	269	268
Kansas	10,621	9,592	2	2	8,853	9,046	1,238	–	538	543
West North Central	**56,787**	**54,865**	**3,435**	**3,326**	**45,289**	**45,946**	**6,164**	**3,690**	**1,899**	**1,902**
Delaware	2,032	2,032	–	–	2,022	2,022	–	–	11	11
Maryland	10,396	10,396	494	494	8,010	8,010	1,829	1,829	64	64
District of Columbia	868	868	–	–	868	868	–	–	–	–
Virginia	12,627	11,610	2,005	955	6,943	6,967	3,655	3,655	24	34
West Virginia	15,079	15,079	101	101	14,979	14,979	–	–	–	–
North Carolina	19,731	19,744	1,846	1,846	13,708	13,721	4,174	4,174	2	2
South Carolina	15,072	13,783	2,348	2,264	7,129	7,129	5,594	4,389	1	1
Georgia	18,741	18,408	2,364	2,031	14,672	14,672	1,700	1,700	5	5
Florida	34,164	33,691	39	30	29,719	29,258	4,110	4,110	295	292
South Atlantic	**128,711**	**125,611**	**9,197**	**7,720**	**98,050**	**97,626**	**21,062**	**19,857**	**402**	**408**
Kentucky	16,283	16,437	817	747	15,452	15,677	–	–	14	14
Tennessee	18,275	18,275	3,780	3,780	12,054	12,054	2,441	2,441	–	–
Alabama	19,980	19,171	2,854	2,751	11,894	11,188	5,233	5,233	–	–
Mississippi	7,494	6,122	–	–	6,122	6,122	1,373	–	–	–
East South Central	**62,033**	**60,006**	**7,451**	**7,277**	**45,522**	**45,041**	**9,046**	**7,674**	**14**	**14**
Arkansas	9,594	9,627	1,086	1,086	6,624	6,657	1,845	1,845	38	38
Louisiana	16,663	15,427	–	–	15,327	15,289	1,200	–	136	137
Oklahoma	13,067	13,003	968	968	11,968	11,900	–	–	131	135
Texas	59,458	57,312	581	581	58,703	56,532	–	–	174	199
West South Central	**98,782**	**95,369**	**2,635**	**2,635**	**92,622**	**90,379**	**3,045**	**1,845**	**480**	**510**
Montana	4,037	4,044	2,204	2,204	1,828	1,835	–	–	5	5
Idaho	2,025	2,026	1,968	1,969	50	50	–	–	7	7
Wyoming	5,849	5,846	242	234	5,590	5,590	–	–	14	16
Colorado	7,596	7,493	992	889	6,189	6,189	342	342	74	74
New Mexico	5,623	5,648	24	24	5,572	5,597	–	–	26	26
Arizona	11,576	11,026	2,369	2,276	9,203	8,746	–	–	4	4
Utah	3,029	3,044	210	211	2,778	2,799	–	–	41	34
Nevada	4,807	4,532	682	682	4,062	3,787	–	–	64	64
Mountain	**44,542**	**43,659**	**8,690**	**8,489**	**35,271**	**34,592**	**342**	**342**	**234**	**230**
Washington	23,505	23,239	19,199	18,989	2,287	2,287	2,015	1,960	4	4
Oregon	10,576	10,573	8,094	8,040	1,260	1,311	1,216	1,216	6	6
California	43,713	41,942	11,284	11,247	27,524	27,035	4,843	3,613	46	44
Pacific	**77,795**	**75,754**	**38,578**	**38,275**	**31,071**	**30,633**	**8,074**	**6,789**	**55**	**53**
Alaska	1,406	1,363	204	180	917	931	–	–	285	251
Hawaii	1,552	1,564	3	3	1,430	1,442	–	–	118	118
Alaska & Hawaii	**2,957**	**2,927**	**207**	**184**	**2,347**	**2,373**	**–**	**–**	**404**	**369**

Note: Total may not equal sum of components due to independent rounding.

† Total includes wind turbine capacity (1984 – 9.6 kW in thousands; 1985 – 7.4 kW in thousands) and solar energy capacity (1984 – 1.0 kW in thousands; 1985 – 13.5 kW in thousands).

** Less than five hundred kilowatts.*

Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 4

INSTALLED GENERATING CAPACITY INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
AT DECEMBER 31st, 1984 and 1985 – KILOWATTS IN THOUSANDS (NAME PLATE)

	Total Investor-Owned Utilities†		Hydro		Conventional Steam		Nuclear Steam		Internal Combustion	
Division: State	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984
Total United States	**530,405**	**514,863**	**27,571**	**26,127**	**433,103**	**429,047**	**68,238**	**58,380**	**1,477**	**1,306**
Maine	2,379	2,371	372	364	1,104	1,104	864	864	39	39
New Hampshire	1,536	1,536	389	389	1,147	1,147	–	–	–	–
Vermont	877	877	188	188	108	108	563	563	17	17
Massachusetts	9,098	9,158	1,645	1,644	6,507	6,546	863	863	82	104
Rhode Island	269	269	–	–	243	243	–	–	26	26
Connecticut	6,009	6,025	129	129	3,702	3,718	2,172	2,172	6	6
New England	**20,166**	**20,235**	**2,723**	**2,714**	**12,811**	**12,867**	**4,462**	**4,462**	**170**	**192**
New York	25,494	25,461	881	888	22,400	22,361	2,172	2,172	41	40
New Jersey	13,269	13,259	387	387	9,992	9,982	2,890	2,890	–	–
Pennsylvania	34,521	33,790	1,761	1,649	26,286	26,820	6,402	5,250	72	72
Middle Atlantic	**73,284**	**72,510**	**3,029**	**2,923**	**58,678**	**59,163**	**11,464**	**10,312**	**112**	**111**
Ohio	26,378	26,420	48	48	25,310	25,352	962	962	59	59
Indiana	18,679	18,720	109	93	18,349	18,595	–	–	221	32
Illinois	31,603	30,686	14	14	22,487	22,794	9,075	7,850	28	28
Michigan	21,970	21,516	2,288	2,288	16,349	15,896	3,172	3,172	160	160
Wisconsin	10,367	9,369	369	368	8,392	7,396	1,583	1,583	23	23
East North Central	**108,997**	**106,712**	**2,828**	**2,811**	**90,887**	**90,032**	**14,791**	**13,566**	**490**	**302**
Minnesota	7,526	7,527	137	139	5,628	5,628	1,755	1,755	6	5
Iowa	7,389	7,399	127	127	6,639	6,639	597	597	26	36
Missouri	11,941	11,179	596	596	10,097	10,572	1,236	–	12	12
North Dakota	615	625	–	–	612	622	–	–	3	3
South Dakota	797	797	*	*	742	742	–	–	55	55
Nebraska	–	–	–	–	–	–	–	–	–	–
Kansas	8,321	7,083	2	2	7,076	7,076	1,238	–	6	6
West North Central	**36,589**	**34,611**	**861**	**863**	**30,794**	**31,278**	**4,826**	**2,352**	**108**	**117**
Delaware	1,851	1,851	–	–	1,850	1,850	–	–	1	1
Maryland	10,320	10,320	494	494	7,986	7,986	1,829	1,829	11	11
District of Columbia	868	868	–	–	868	868	–	–	–	–
Virginia	12,382	11,331	1,770	719	6,942	6,942	3,655	3,655	15	15
West Virginia	15,079	15,079	101	101	14,979	14,979	–	–	–	–
North Carolina	19,172	19,172	1,477	1,477	13,520	13,520	4,174	4,174	–	–
South Carolina	11,969	10,764	1,845	1,845	4,529	4,529	5,594	4,389	*	*
Georgia	17,241	17,133	881	773	14,655	14,655	1,700	1,700	5	5
Florida	27,420	26,934	*	*	23,278	22,792	4,110	4,110	31	31
South Atlantic	**116,301**	**113,451**	**6,568**	**5,410**	**88,607**	**88,121**	**21,062**	**19,857**	**64**	**64**
Kentucky	7,980	8,205	111	111	7,869	8,094	–	–	–	–
Tennessee	172	172	172	172	–	–	–	–	–	–
Alabama	10,873	10,070	1,583	1,485	7,514	6,808	1,777	1,777	–	–
Mississippi	6,721	5,348	–	–	5,348	5,348	1,373	–	–	–
East South Central	**25,745**	**23,794**	**1,865**	**1,767**	**20,731**	**20,251**	**3,149**	**1,777**	**–**	**–**
Arkansas	8,236	8,269	65	65	6,312	6,344	1,845	1,845	14	14
Louisiana	13,879	12,581	–	–	12,616	12,518	1,200	–	63	63
Oklahoma	10,318	10,318	–	–	10,285	10,285	–	–	34	34
Texas	49,032	46,851	10	10	48,981	46,789	–	–	41	52
West South Central	**81,466**	**78,019**	**75**	**75**	**78,194**	**75,936**	**3,045**	**1,845**	**152**	**163**
Montana	2,741	2,748	909	909	1,828	1,835	–	–	5	5
Idaho	1,367	1,367	1,312	1,312	50	50	–	–	5	5
Wyoming	3,893	3,894	*	*	3,880	3,880	–	–	13	14
Colorado	3,869	3,869	340	340	3,167	3,167	342	342	20	20
New Mexico	5,199	5,224	–	–	5,177	5,202	–	–	22	22
Arizona	4,025	3,567	7	7	4,014	3,556	–	–	4	4
Utah	2,836	2,858	67	67	2,764	2,785	–	–	5	5
Nevada	4,135	3,860	9	9	4,062	3,787	–	–	64	64
Mountain	**28,064**	**27,385**	**2,644**	**2,644**	**24,940**	**24,261**	**342**	**342**	**138**	**139**
Washington	3,224	3,224	965	965	2,257	2,257	–	–	3	3
Oregon	3,968	3,914	1,486	1,432	1,260	1,260	1,216	1,216	6	6
California	30,947	29,369	4,507	4,507	22,514	22,179	3,880	2,650	30	30
Pacific	**38,139**	**36,507**	**6,958**	**6,904**	**26,030**	**25,696**	**5,096**	**3,866**	**39**	**39**
Alaska	102	74	15	12	–	–	–	–	87	62
Hawaii	1,552	1,564	3	3	1,430	1,442	–	–	118	118
Alaska & Hawaii	**1,654**	**1,638**	**18**	**15**	**1,430**	**1,442**	**–**	**–**	**205**	**180**

Note: Total may not equal sum of components due to independent rounding.
†Total includes wind turbine capacity (1984 – 2.9 kW in thousands; 1985 – 3.2 kW in thousands) and solar energy capacity (1984 – 0 kW in thousands; 1985 – 12.5 kw in thousands).
**Less than five hundred kilowatts.*
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 5

CHANGES IN INSTALLED GENERATING CAPACITY TOTAL ELECTRIC UTILITY INDUSTRY*

BY TYPE OF PRIME MOVER DRIVING THE GENERATOR

1966-1985—KILOWATTS IN THOUSANDS (NAME PLATE)

At December 31st	New Additions	Retirements	Adjustments** Plus	Adjustments** Minus	Net Additions
1985‡					
Hydro					2,425
Steam					13,675
Internal Combustion					160
Total					16,271
1984‡					
Hydro					1,622
Steam					12,812
Internal Combustion					(155)
Total					14,280
1983‡					
Hydro					840
Steam					7,363
Internal Combustion					(135)
Total					8,077
1982‡					
Hydro					983
Steam					14,783
Internal Combustion					(469)
Total					15,297
1981‡					
Hydro					767
Steam					20,299
Internal Combustion					47
Total					21,113
1980‡					
Hydro					1,027
Steam					14,172
Internal Combustion					53
Total					15,252
1979‡					
Hydro					4,337
Steam					14,834
Internal Combustion					(40)
Total					19,131
1978‡					
Hydro					2,252
Steam					16,452
Internal Combustion					247
Total					18,951
1977‡					
Hydro					1,005
Steam					28,207
Internal Combustion					(13)
Total					29,199
1976‡					
Hydro					1,808
Steam					20,696
Internal Combustion					244
Total					22,748
1975‡					
Hydro					2,389
Steam					29,801
Internal Combustion					56
Total					32,246
1974‡					
Hydro					1,778
Steam					34,412
Internal Combustion					103
Total					36,293
1973‡					
Hydro					5,396
Steam					35,687
Internal Combustion					39
Total					41,122
1972‡					
Hydro					474
Steam					28,819
Internal Combustion					380
Total					29,673
1971‡					
Hydro					856
Steam					27,000
Internal Combustion					134
Total					27,990
1970					
Hydro	2,244	48	109	3	2,302
Steam	25,506	905	882	190	25,293
Internal Combustion	242	40	42	98	146
Total	27,992	993	1,033	291	27,741
1969					
Hydro	1,638	115	64	2	1,585
Steam	19,837	856	1,605	107	20,479
Internal Combustion	219	39	78	31	227
Total	21,694	1,010	1,747	140	22,291
1968					
Hydro	3,015	80	145	24	3,056
Steam	18,830	697	593	136	18,590
Internal Combustion	210	57	39	32	160
Total	22,055	834	777	192	21,806
1967					
Hydro	3,320	215	30	—	3,135
Steam	17,992	459	578	146	17,965
Internal Combustion	364	56	24	23	309
Total	21,676	730	632	169	21,409
1966					
Hydro	1,240	51	8	2	1,195
Steam	10,486	565	604	148	10,377
Internal Combustion	183	54	24	9	144
Total	11,909	670	636	159	11,716

Note: Total may not equal sum of components due to independent rounding.

**Beginning 1983 wind turbine capacity included in total – 9.3 kW in thousands, 1984 total – 9.6 kW in thousands, 1985 total – 7.4 kW in thousands. Beginning 1984 solar energy capacity included in total – 1.0 kW in thousands, 1985 total – 13.5 kW in thousands.*

***Adjustments are result of reclassification in ownership between industrial and electric utility plants and rerating of turbines within the Total Electric Utility Industry.*

‡Complete data not available at time of printing.

( ) Denotes negative figure.

Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

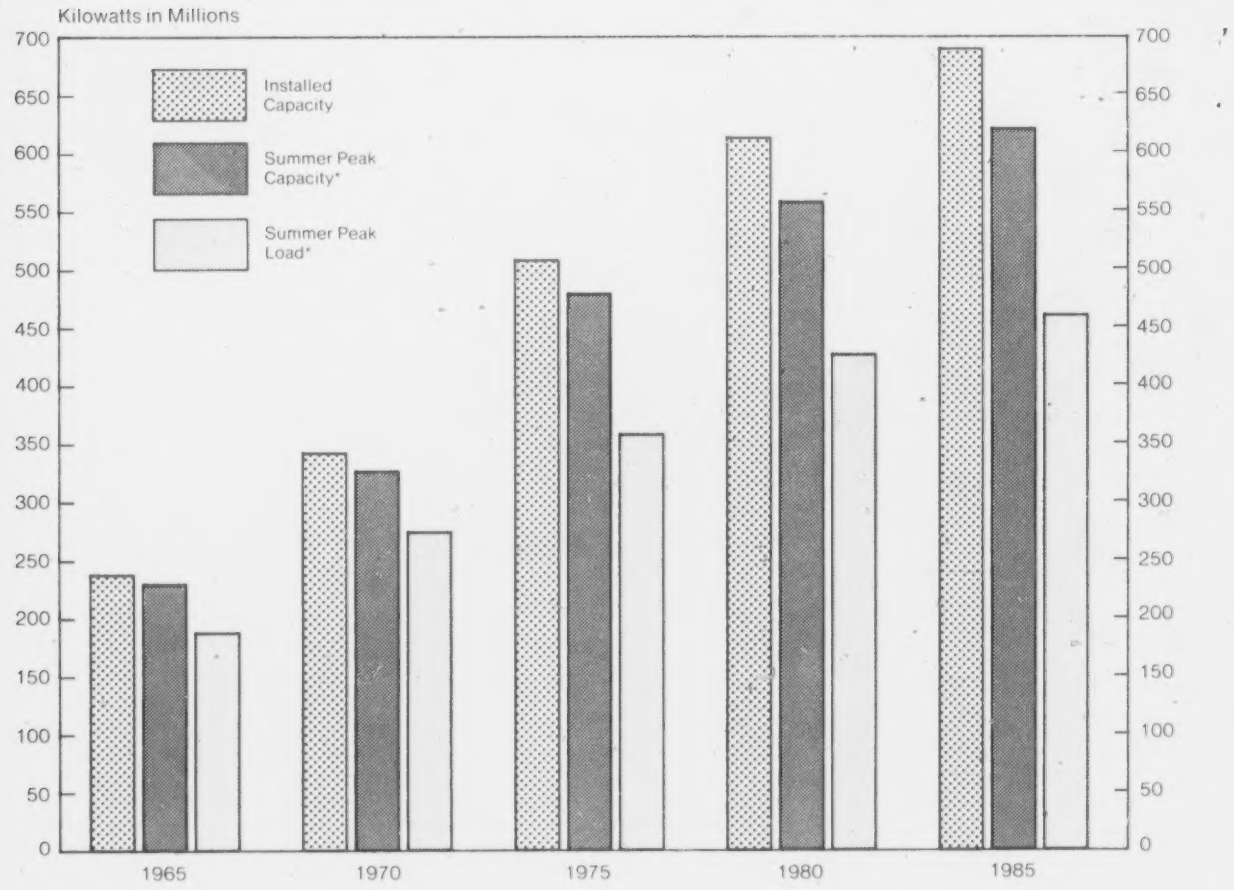
ELECTRIC POWER SUPPLY

SECTION II

CHART II-A

CAPACITY, CAPABILITY & PEAK LOAD

TOTAL ELECTRIC UTILITY INDUSTRY



*Excludes Alaska and Hawaii.

Based on Table 2, page 8 and Table 7, page 14.

Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759); Edison Electric Institute, Electric Power Annual Report.

TABLE 7

CAPABILITY*—PEAK LOAD—KILOWATTHOUR REQUIREMENTS TOTAL ELECTRIC UTILITY INDUSTRY

(EXCLUDING ALASKA AND HAWAII)

Year	Capability at Time of Summer Peak Load (MW)	Non-Coincident Summer Peak Load (MW)	Capability at Time of Winter Peak Load (MW)†	Non-Coincident Winter Peak Load (MW)†	Capacity Margin Based on Non-Coincident Peak Load (%)‡	Annual Kilowatthour Requirements (in Millions)	Annual Load Factor Based on Peak Load (%)
1985	**621,597**	**460,503**	**636,475**	**423,660**	**25.9**	**2,499,226**	**62.0**
1984	604,240	451,150	622,125r	436,374r	25.3	2,445,603	59.7
1983	596,449	447,526	612,453r	410,779	25.0	2,341,633	59.5
1982	586,142	415,618r	598,066r	373,985r	29.1r	2,258,744	62.0r
1981	572,219	429,349r	586,569r	397,800r	25.0r	2,311,026r	61.0r
1980	558,237	427,058	572,195	384,567	23.5	2,292,718	61.0
1979	544,506	398,424	554,525	368,876	26.8	2,246,927	64.4
1978	545,700	408,050	561,550	383,100	25.2	2,218,700	62.1
1977	516,000	396,350	537,600	360,200	23.2	2,132,300	61.4
1976	498,750	370,900	511,000	349,850	25.6	2,039,500	62.6
1975	479,300	356,800	492,450	331,100	25.6	1,919,500	61.4
1974	444,400	349,250	467,400	302,500	21.4	1,871,700	61.2
1973	415,500	343,900	433,150	295,150r	17.2	1,868,800	62.0
1972	381,700	319,150	394,050	290,950	16.4	1,752,200	62.5
1971	353,250	292,100	366,700	261,650	17.3	1,617,100	63.2
1970	326,900	274,650	339,050	248,550	16.0	1,536,400	63.9
1969	300,300	257,650	311,450	236,600	14.2	1,446,000	64.1
1968	278,950	238,000	288,750	226,700	14.7	1,327,200	63.5
1967	257,950	213,450	267,750	205,850	17.3	1,221,500	65.3
1966	240,700	203,350	247,650	193,700	15.5	1,152,900	64.7
1965	228,900	186,300	235,700	180,400	18.6	1,060,100	65.0

**Capability represents the maximum kilowatt output with all power sources available and with hydraulic equipment under actual water conditions. It must, therefore, provide the necessary allowance for maintenance, emergency outages, and system operating requirements. This rating is more indicative of the actual generating ability of existing power stations than the familiar name-plate rating as used in other tables of this publication.*

†Beginning in 1973 capability and peak load data shown under Winter represent turn-of-year data for the winter season that follows the summer peak load data for that calendar year. Previously, data in this series was always for the month of December.

‡Calculated from the maximum non-coincident peak load, summer or winter, and the capability at the time of this peak load. Percent Capacity Margin is the difference between capability and peak load divided by capability multiplied by 100.

Sources: North American Electric Reliability Council and Edison Electric Institute. All data series shown have a discontinuity between 1978 and 1979 because of the switch to NERC data. For calculation of percent changes between 1978 and 1979, see old series values for 1979 in Table 6 of 1979 edition.

r Revised.

TABLE 8
ELECTRICITY MADE AVAILABLE IN THE UNITED STATES
KILOWATTHOURS IN MILLIONS

Year	Generation: Investor-Owned Utilities	Generation: Government and Cooperatives	Generation: Total Electric Utility Industry	Generation: Other Sources*	Generation: Total United States	Net Imports of Electric Energy	Total Available in U.S.	Estimated Population† (Thousands) (July 1)	kWh Per Person
1985	**1,918,032**	**551,809**	**2,469,841**	**N/A**	**2,469,841****	**40,936**	**2,510,777****	**238,740**	**10,517****
1984	1,848,916	567,388	2,416,304	N/A	2,416,304**	39,661	2,455,965**	236,495r	10,385r**
1983	1,764,080	546,205	2,310,285	57,352e	2,367,637	35,330	2,402,967	234,284r	10,257r
1982	1,711,576	529,635	2,241,211	61,076e	2,302,287	30,744	2,333,031	231,996r	10,056r
1981	1,785,500	509,312	2,294,812	64,446e	2,359,258	33,584	2,392,842	229,637r	10,420r
1980	1,782,933	503,481	2,286,414	67,945e	2,354,359	20,925	2,375,284	227,255r	10,452r
1979	1,756,170	491,189	2,247,359	71,375	2,318,734	20,334	2,339,068	224,567	10,416
1978	1,721,163	485,150	2,206,313	78,967	2,285,280	19,328	2,304,608	222,095	10,377
1977	1,684,084	440,082	2,124,166	87,575	2,211,741	17,415	2,229,156	219,760	10,144
1976	1,582,029	455,645	2,037,674	87,084	2,124,758	8,611	2,133,369	217,563	9,806
1975	1,486,844	430,775	1,917,619	85,362	2,002,981	6,185	2,009,166	215,465	9,325
1974	1,442,114	424,322	1,866,436	101,572	1,968,008	12,694	1,980,702	213,342	9,284
1973	1,448,860	407,356	1,856,216	102,529	1,958,745	14,278	1,973,023	211,357	9,335
1972	1,358,929	390,708	1,749,637	104,508	1,854,145	7,744	1,861,889	209,284	8,896
1971	1,248,596	363,993	1,612,589	103,239	1,715,828	3,530	1,719,358	206,827	8,313
1970	1,183,190	348,419	1,531,609	108,162	1,639,771	1,960	1,641,731	203,984	8,048
1969	1,102,162	340,020	1,442,182	110,575	1,552,757	1,072	1,553,829	201,385	7,716
1968	1,019,313	310,130	1,329,443	106,586	1,436,029	(631)	1,435,398	199,399	7,199
1967	928,439	285,926	1,214,365	102,935	1,317,300	(299)	1,317,001	197,457	6,670
1966	880,837	263,513	1,144,350	105,094	1,249,444	1,092	1,250,536	195,576	6,394
1965	809,474	245,778	1,055,252	102,331	1,157,583	(141)	1,157,442	193,526	5,981

Note: Total may not equal sum of components due to independent rounding.
**Estimates for this category since 1984 no longer deemed appropriate due to non-reporting of generation data from industrial, mine and railway electric power plants.*
***Excludes Other Sources.*
†U.S. Department of Commerce, Bureau of Census estimates; excludes Armed Forces overseas.
NA Not available.
e Estimated by EEI. r Revised. ( ) Denotes negative figure.
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 9

TOTAL UNITED STATES KILOWATTHOUR SOURCE AND DISPOSITION

1965-1985—KILOWATTHOURS IN MILLIONS

	1985p	1984r	1983	1982	1981	1980	1979
SOURCE							
Generation							
Total Electric Utility Industry	2,469,841	2,416,304	2,310,285	2,241,211	2,294,812	2,286,414	2,247,359
Industrials*	N/A	N/A	42,029e	49,072e	56,045e	60,369e	65,341
Industrials—for Sales to Electric Utility Industry	25,137	17,746	15,323	12,004	8,401	7,576	6,034
Total Generation	**2,494,978**	**2,434,050**	**2,367,637**	**2,302,287**	**2,359,258**	**2,354,359**	**2,318,734**
Imports from Canada & Mexico	45,901	42,219	38,668	34,284	35,416	25,021	22,516
Total Kilowatthours	**2,540,879**	**2,476,269**	**2,406,305**	**2,336,571**	**2,394,674**	**2,379,380**	**2,341,250**
DISPOSITION							
Total Sales to Ultimate Customers	2,315,006	2,280,585	2,159,787	2,099,741	2,150,674	2,126,094	2,084,400
Exports to Canada & Mexico	4,965	2,558	3,337	3,540	1,832	4,096	2,182
Energy Used by Producer	1,833	2,849	2,633	2,539	1,462	2,540	3,382
Company Use & Free Service	9,334	10,958	10,650	12,051	10,068	9,053	11,086
Lost and Unaccounted For	209,741	179,319	187,869	169,628	174,593	177,228	174,859
Industrials*	N/A	N/A	42,029e	49,072e	56,045e	60,369e	65,341
Total Kilowatthours	**2,540,879**	**2,476,269**	**2,406,305**	**2,336,571**	**2,394,674**	**2,379,380**	**2,341,250**

	1978	1977	1976	1975	1974	1973	1972
SOURCE							
Generation							
Total Electric Utility Industry	2,206,313	2,124,166	2,037,674	1,917,619	1,866,436	1,856,216	1,749,637
Industrials	72,297	83,543	82,406	79,340	94,955	95,761	98,241
Industrials—for Sales to Electric Utility Industry	6,670	4,032	4,678	6,022	6,617	6,768	6,267
Total Generation	**2,285,280**	**2,211,741**	**2,124,758**	**2,002,981**	**1,968,008**	**1,958,745**	**1,854,145**
Imports from Canada & Mexico	21,514	20,159	10,989	11,268	15,420	16,848	10,496
Total Kilowatthours	**2,306,794**	**2,231,900**	**2,135,747**	**2,014,249**	**1,983,428**	**1,975,593**	**1,864,641**
DISPOSITION							
Total Sales to Ultimate Customers	2,017,818	1,950,791	1,849,625	1,733,024	1,700,769	1,703,203	1,577,714
Exports to Canada & Mexico	2,186	2,744	2,378	5,083	2,726	2,570	2,752
Energy Used by Producer	2,372	2,462	2,559	3,068	3,059	3,137	3,081
Company Use & Free Service	7,975	7,037	5,717	4,709	4,850	4,912	4,412
Lost and Unaccounted For	204,146	185,323	193,062	189,025	177,069	166,010	178,441
Industrials	72,297	83,543	82,406	79,340	94,955	95,761	98,241
Total Kilowatthours	**2,306,794**	**2,231,900**	**2,135,747**	**2,014,249**	**1,983,428**	**1,975,593**	**1,864,641**

	1971	1970	1969	1968	1967	1966	1965
SOURCE							
Generation							
Total Electric Utility Industry	1,612,589	1,531,609	1,442,182	1,329,443	1,214,365	1,144,350	1,055,252
Industrials	96,495	102,440	105,203	103,026	97,856	102,257	99,376
Industrials—for Sales to Electric Utility Industry	6,744	5,722	5,372	3,560	5,079	2,837	2,955
Total Generation	**1,715,828**	**1,639,771**	**1,552,757**	**1,436,029**	**1,317,300**	**1,249,444**	**1,157,583**
Imports from Canada & Mexico	7,043	6,169	4,902	3,654	4,051	4,268	3,558
Total Kilowatthours	**1,722,871**	**1,645,940**	**1,557,659**	**1,439,683**	**1,321,351**	**1,253,712**	**1,161,141**
DISPOSITION							
Total Sales to Ultimate Customers	1,466,441	1,391,359	1,307,178	1,202,321	1,107,023	1,038,982	953,414
Exports to Canada & Mexico	3,514	4,209	3,830	4,285	4,350	3,176	3,699
Energy Used by Producer	2,854	2,301	2,515	2,469	2,559	2,305	2,802
Company Use & Free Service	3,894	3,984	3,626	3,399	2,956	2,755	2,434
Lost and Unaccounted For	149,673	141,647	135,307	124,183	106,607	104,237	99,416
Industrials	96,495	102,440	105,203	103,026	97,856	102,257	99,376
Total Kilowatthours	**1,722,871**	**1,645,940**	**1,557,659**	**1,439,683**	**1,321,351**	**1,253,712**	**1,161,141**

N/A Not available.

**Estimates for this category since 1984 no longer deemed appropriate due to non-reporting of generation data from Industrials.*

p Preliminary. r Revised. e Estimated.

Sources: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759); Statistics Canada and Edison Electric Institute.

TABLE 10

WORLD POWER DATA

FIFTEEN COUNTRIES WITH GREATEST INSTALLED GENERATING CAPACITY

1984

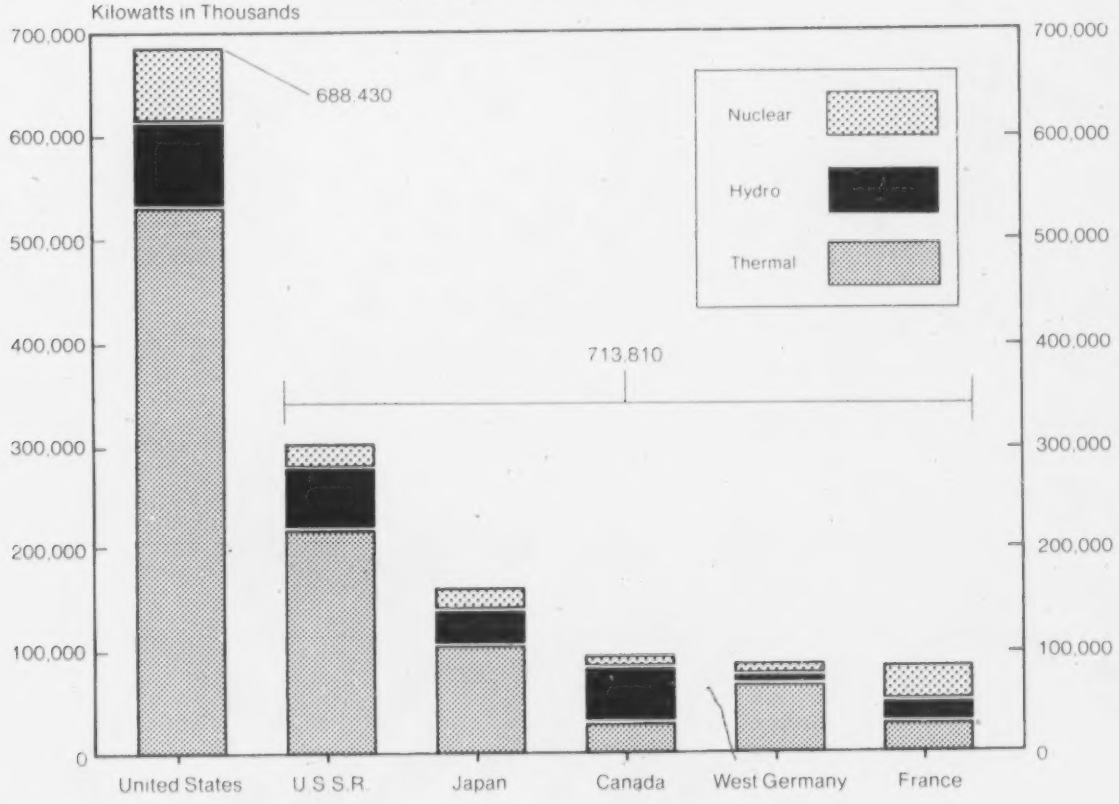
Country	Installed Capacity (Kilowatts in Thousands)				Energy Production† (kWh in Millions)				Population (Thousands)	kWh Per Capita
	Hydro	Nuclear	Thermal	Total	Hydro	Nuclear	Thermal	Total		
United States	82,102	71,861	534,467	688,430	322,550	327,634	1,822,120	2,472,304	236,495	10,454
U.S.S.R.	59,300	24,100	220,600	304,000	202,800	142,000	1,148,200	1,493,000	272,500	5,479
Japan	33,919	19,856	106,996	160,771	73,476	126,787	447,117	647,380	119,896	5,400
Canada	54,949	9,547	30,728	95,224	286,644	52,701	98,645	437,990	25,142	17,421
Germany (West)	6,560	11,155	69,400	87,115	17,400	67,200	292,000	376,600	61,387	6,135
France	21,400	32,900	30,400	84,700	64,300	181,800	60,700	306,800	54,872	5,591
China (mainland)	28,000	—	55,000	83,000	86,780	—	290,210	376,990	1,034,907	364
United Kingdom	4,189	6,550	56,163	66,902	4,005	53,979	222,507	280,491	56,023	5,007
Italy	17,343	1,273	35,354	53,970	42,311	6,887	130,348	179,546	56,998	3,150
India	15,103	1,095	31,492	47,690	54,745	3,835	106,860	165,440	746,388	222
Brazil	35,524	—	6,138	41,662	165,414	—	10,296	175,710	134,380	1,308
Spain	13,180	1,990	16,480	31,650	27,650	9,000	78,850	115,500	38,435	3,005
Australia	6,563	—	24,567	31,130	13,511	—	99,436	112,947	15,462	7,305
Sweden	15,450	7,355	8,058	30,863	68,076	50,995	4,432	123,503	8,335	14,817
Poland	1,976	—	25,812	27,788	3,352	—	131,440	134,792	36,887	3,654

† *Data presented on a gross generation basis.*
‡ *U.S. population July 1, 1984, excludes armed forces abroad. Dept. of Commerce, Bureau of Census.*
Sources: Capacity and production: UN 1984 Energy Statistics Yearbook, *population (except as noted):* The World Almanac and Book of Facts—*1986.*

CHART II-B

WORLD GENERATING CAPACITY

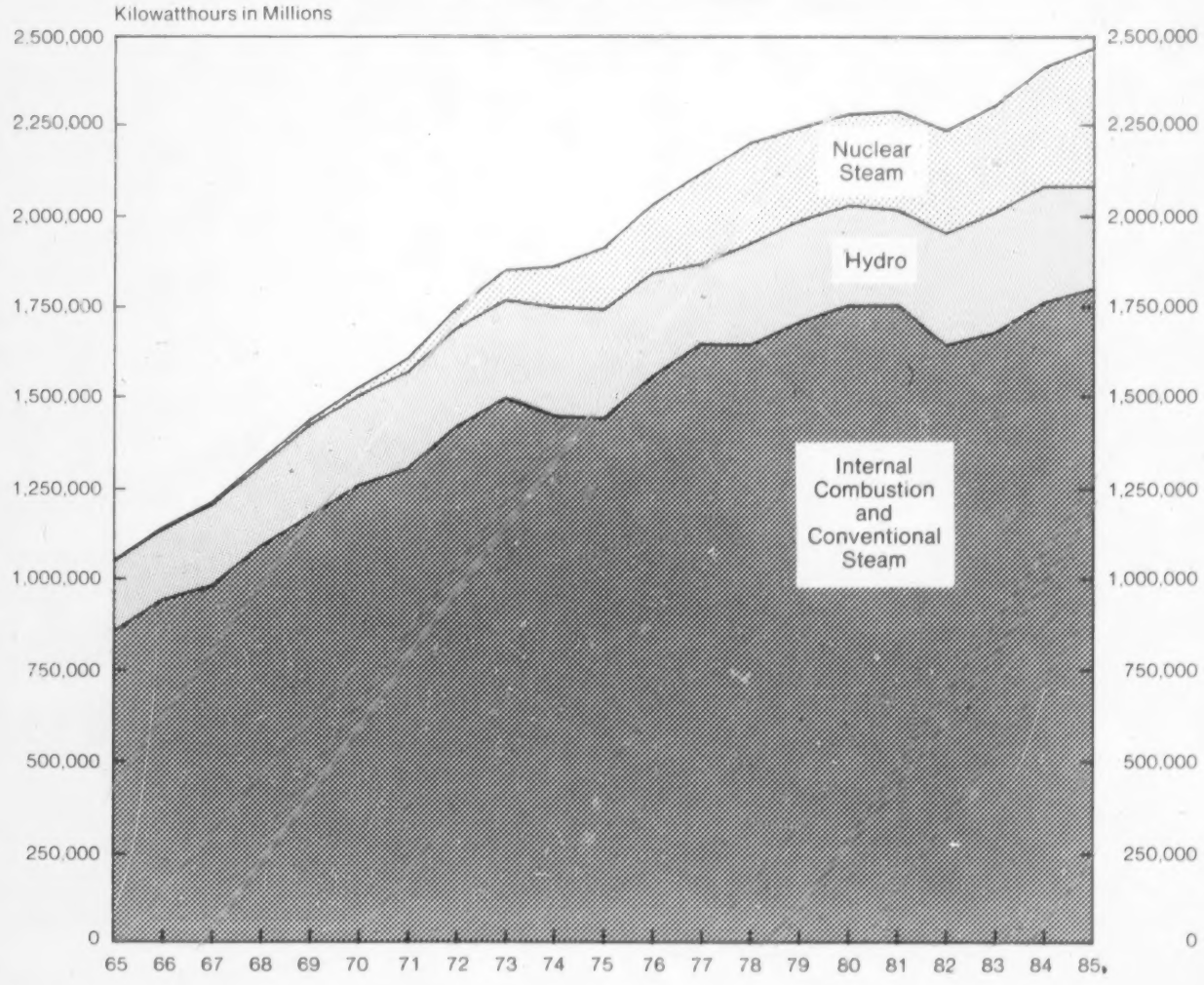
SIX LARGEST COUNTRIES—1984



Based on Table 10, as shown above.
Source: UN 1984 Energy Statistics Yearbook

GENERATION
SECTION III

CHART III-A
GENERATION BY TYPE OF PRIME MOVER
TOTAL ELECTRIC UTILITY INDUSTRY



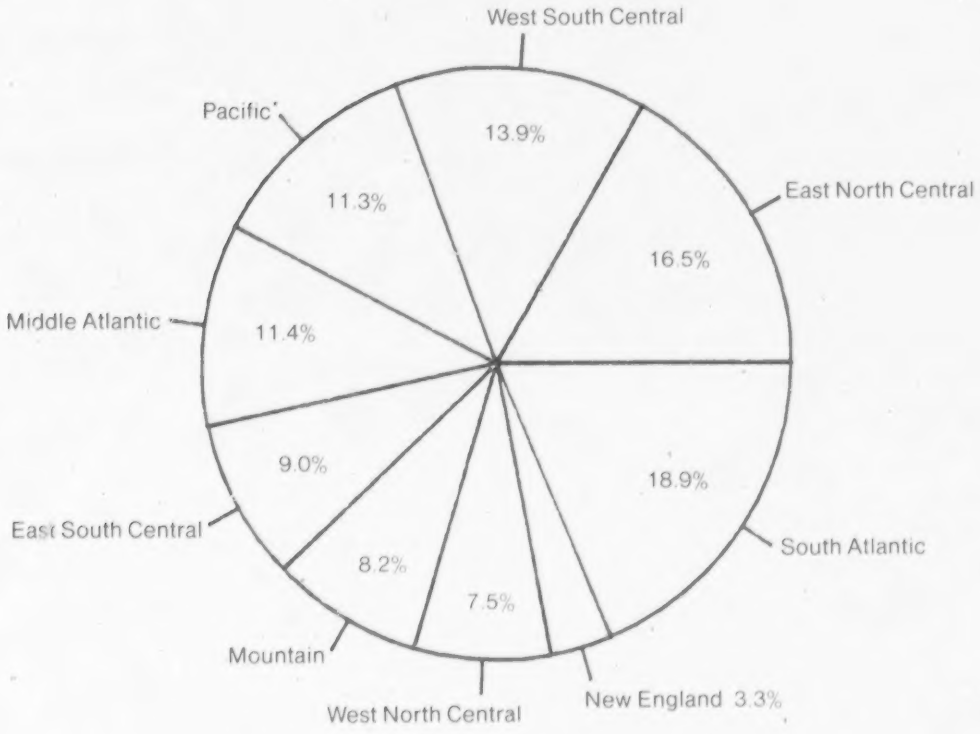
Based on Table 12, page 20.
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

CHART III-B

GENERATION BY CENSUS DIVISIONS

TOTAL ELECTRIC UTILITY INDUSTRY

1985



*Includes Alaska and Hawaii.
Based on Table 15, page 24.
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 12

GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
KILOWATTHOURS IN MILLIONS

Year	Total Electric Utility Industry†	Investor-Owned Utilities	Cooperatives	Subtotal Government	Municipal Utilities	Federal	Power Districts, State Projects
TOTAL (Generation by All Types of Prime Mover)							
1985	**2,469,841**	**1,918,032**	**108,321**	**443,488**	**73,864**	**233,063**	**136,560**
1984	2,416,304	1,848,916	101,970	465,418	74,672	253,928	136,818
1983	2,310,285	1,764,080	84,710	461,495	73,069	258,181	130,245
1982	2,241,211	1,711,576	77,098	452,537	76,569	241,004	134,964
1981	2,294,812	1,785,500	73,314	435,998	80,701	232,222	123,075
1980	2,286,414	1,782,933	63,550	439,931	86,579	235,051	118,301
1979	2,247,359	1,756,170	54,404	436,785	87,265	235,570	113,950
1978	2,206,313	1,721,163	48,717	436,433	89,700	235,257	111,476
1977	2,124,166	1,684,084	44,884	395,198	83,382	213,633	98,183
1976	2,037,674	1,582,029	41,223	414,422	78,176	236,024	100,222
1975	1,917,619	1,486,844	35,328	395,447	81,518	221,226	92,703
1974	1,866,436	1,442,114	33,844	390,478	78,677	219,821	91,980
1973	1,856,216	1,448,860	35,127	372,229	80,872	211,715	79,642
1972	1,749,637	1,358,929	31,714	358,994	78,931	206,668	73,395
1971	1,612,589	1,248,596	27,227	336,766	72,609	194,462	69,695
1970	1,531,609	1,183,190	23,459	324,960	71,394	185,753	67,813
1969	1,442,182	1,102,162	17,513	322,507	69,614	183,245	69,648
1968	1,329,443	1,019,313	14,140	295,990	63,804	170,834	61,352
1967	1,214,365	928,439	12,389	273,537	57,788	162,399	53,350
1966	1,144,350	880,837	11,175	252,338	52,627	153,067	46,644
1965	1,055,252	809,474	8,571	237,207	49,940	145,231	42,036
HYDRO (Generation of Generators Driven by Water Wheels and Turbines)							
1985	**281,149**	**66,334**	**410**	**214,406**	**14,496**	**142,435**	**57,475**
1984	321,150	83,639	279	237,232	15,775	162,268	59,190
1983	332,130	88,663	303	243,164	17,266	160,989	64,910
1982	309,213	81,527	294	227,392	17,061	148,027	62,305
1981	260,684	61,680	231	198,773	13,700	128,690	56,383
1980	276,039	70,500	267	205,272	15,603	131,909	57,760
1979	279,790	74,105	244	205,441	13,270	137,212	54,959
1978	280,432	72,381	275	207,776	14,889	136,804	56,083
1977	220,446	55,343	220	164,883	8,572	111,951	44,360
1976	283,734	68,034	221	215,479	14,444	144,218	56,817
1975	300,065	81,524	251	218,290	16,619	142,943	58,728
1974	300,928	81,204	197	219,527	17,218	137,882	64,427
1973	271,634	77,451	229	193,954	13,439	123,148	57,367
1972	272,626	76,820	220	195,586	15,152	126,328	54,106
1971	266,314	76,521	243	189,550	14,765	121,573	53,212
1970	247,456	70,587	214	176,655	14,453	110,695	51,507
1969	250,193	74,833	215	175,145	15,494	105,687	53,964
1968	222,491	67,201	239	155,051	13,043	94,874	47,184
1967	221,518	72,072	223	149,223	10,602	96,228	42,393
1966	194,756	62,827	214	131,715	8,106	86,260	37,349
1965	193,851	67,366	281	126,204	8,580	82,769	34,855
CONVENTIONAL STEAM (Generation of Generators Driven by Steam Engines and Turbines)							
1985	**1,803,323**	**1,503,349**	**107,438**	**192,536**	**56,543**	**77,976**	**58,017**
1984	1,765,608	1,487,840	101,184	176,584	54,008	66,989	55,587
1983	1,682,268	1,426,449	84,015	171,804	51,503	69,237	51,063
1982	1,646,883	1,396,336	76,481	174,066	54,507	65,682	53,878
1981	1,758,660	1,492,062	72,619	193,980	62,421	80,715	50,844
1980	1,755,634	1,499,918	62,803	192,913	63,899	83,715	45,299
1979	1,708,256	1,472,652	53,609	181,995	65,100	77,948	38,947
1978	1,644,756	1,415,266	47,887	181,603	66,212	81,535	33,856
1977	1,649,105	1,422,684	44,193	181,228	65,402	83,202	32,624
1976	1,557,647	1,346,179	38,409	173,059	57,547	87,584	27,928
1975	1,439,374	1,249,623	33,647	156,104	57,958	75,549	22,597
1974	1,445,808	1,261,009	32,887	151,912	56,605	75,640	19,667
1973	1,494,901	1,292,888	24,108	167,905	62,422	88,240	17,243
1972	1,416,218	1,229,998	30,713	155,507	58,814	80,324	16,369
1971	1,301,960	1,135,674	26,245	140,041	53,246	72,866	13,929
1970	1,256,294	1,092,564	22,610	141,120	52,380	75,048	13,692
1969	1,172,481	1,016,361	16,760	139,360	49,800	77,544	12,016
1968	1,089,239	942,927	13,332	132,980	46,744	75,927	10,309
1967	980,336	850,541	11,434	118,361	43,292	66,136	8,933
1966	938,910	813,329	10,104	115,477	40,405	66,769	8,303
1965	852,655	738,319	7,401	106,935	37,333	62,419	7,183

See page 21 for footnotes.

TABLE 12 (continued)

GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
KILOWATTHOURS IN MILLIONS

Year	Total Electric Utility Industry†	Investor-Owned Utilities	Cooperatives	Subtotal Government	Municipal Utilities	Federal	Power Districts, State Projects
NUCLEAR STEAM (Generation of Generators Driven by Nuclear Reactors)							
1985	**383,691**	**347,769**	**323**	**35,599**	**1,885**	**12,646**	**21,069**
1984	327,634	276,849	319	50,466	3,760	24,665	22,040
1983	293,677	248,379	201	45,097	2,875	27,951	14,271
1982	282,773	233,213	137	49,423	3,349	27,294	18,780
1981	272,674	231,190	241	41,243	2,585	22,810	15,847
1980	251,121	211,831	214	39,076	4,426	19,413	15,237
1979	255,155	208,788	201	46,166	5,729	20,402	20,035
1978	276,403	232,742	174	43,487	5,046	16,911	21,530
1977	250,882	205,257	89	45,536	5,865	18,473	21,198
1976	191,107	167,098	2,157	21,852	2,161	4,214	15,477
1975	172,506	154,985	951	16,570	2,470	2,722	11,378
1974	113,727	99,042	313	14,372	198	6,289	7,885
1973	83,334	77,790	199	5,345	–	314	5,031
1972	54,092	50,933	240	2,919	–	–	2,919
1971	38,106	35,357	196	2,553	–	–	2,553
1970	21,797	19,063	120	2,614	–	–	2,614
1969	13,928	10,261	–	3,667	–	–	3,667
1968	12,528	8,611	15	3,902	–	–	3,902
1967	7,655	5,499	141	2,015	–	–	2,015
1966	5,520	4,400	129	991	2	–	989
1965	3,657	3,497	143	17	22	–	(5)
INTERNAL COMBUSTION (Generation of Generators Driven by Internal Combustion Engines)							
1985	**1,662**	**570**	**150**	**942**	**938**	**4**	*
1984	1,901	579	188	1,133	1,130	3	*
1983	2,207	588	190	1,429	1,425	3	1
1982	2,343	501	186	1,656	1,653	2	1
1981	2,795	568	224	2,003	1,995	7	1
1980	3,620	684	266	2,670	2,651	14	5
1979	4,158	625	350	3,183	3,166	8	9
1978	4,722	774	381	3,567	3,553	7	7
1977	4,733	800	382	3,551	3,543	7	1
1976	5,186	718	436	4,032	4,024	8	–
1975	5,674	712	479	4,483	4,471	12	–
1974	5,973	859	447	4,667	4,656	10	1
1973	6,347	731	591	5,025	5,011	13	1
1972	6,701	1,178	541	4,982	4,965	16	1
1971	6,209	1,044	543	4,622	4,598	23	1
1970	6,062	976	515	4,571	4,561	10	–
1969	5,580	707	538	4,335	4,320	14	1
1968	5,185	574	554	4,057	4,017	33	7
1967	4,856	327	591	3,938	3,894	35	9
1966	5,164	281	728	4,155	4,114	38	3
1965	5,089	292	746	4,051	4,005	43	3

Note: Total may not equal sum of components due to independent rounding.

†Beginning 1983 generation by wind included in total: Total Electric Utility Industry (1983) – 2.7 kWh in millions, Investor-Owned Utilities – 1.5 kWh in millions, Federal – 1.2 kWh in millions. Total Electric Utility Industry (1984) – 6.5 kWh in millions, Investor-Owned Utilities – 3.5 kWh in millions, Federal – 2.9 kWh in millions. Total Electric Utility Industry (1985) – 5.8 kWh in millions, Investor-Owned Utilities – 2.8 kWh in millions, Federal – 2.9 kWh in millions. Beginning 1984 generation by solar included in total: Total Electric Utility Industry (1984) – 5.2 kWh in millions, Investor-Owned Utilities – 5.0 kWh in millions, Municipal Utilities – 0.2 kWh in millions. Total Electric Utility Industry (1985) – 10.6 kWh in millions, Investor-Owned Utilities – 8.8 kWh in millions, Municipal Utilities – 1.8 kWh in millions.

( ) Denotes negative figure.

**Less than five hundred thousand kilowatthours.*

Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 13

GENERATION PER KILOWATT OF INSTALLED NAME PLATE CAPACITY TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR

KILOWATTHOURS

Year	Total Electric Utility Industry	Investor-Owned	Cooperatives	Government-Owned	Total Electric Utility Industry	Investor-Owned	Cooperatives	Government-Owned
	TOTAL				HYDRO			
1985	**3,629**	**3,670**	**4,393**	**3,327**	**3,437**	**2,471**	**4,432**	**3,908**
1984	3,632	3,624	4,345	3,535	4,025	3,273	3,444	4,381
1983	3,532	3,512	3,880	3,550	4,228	3,578	3,741	4,529
1982	3,489	3,458	3,868	3,547	3,983	3,334	3,973	4,281
1981	3,676	3,690	4,335	3,533	3,396	2,541	3,448	3,792
1980	3,773	3,789	4,344	3,641	3,639	2,929	3,985	3,968
1979	3,816	3,827	4,272	3,725	3,823	3,103	3,642	4,173
1978	3,872	3,859	4,326	3,877	4,013	3,080	4,104	4,486
1977	3,892	3,945	4,308	3,646	3,230	2,391	3,284	3,660
1976	3,920	3,884	4,320	4,024	4,244	2,942	3,299	4,935
1975	3,895	3,836	4,254	4,102	4,634	3,556	4,149	5,226
1974	4,075	3,991	4,585	4,371	4,802	3,649	3,582	5,439
1973	4,427	4,385	5,021	4,545	4,597	3,788	4,164	5,027
1972	4,557	4,510	5,210	4,693	4,855	4,022	4,074	5,287
1971	4,541	4,532	5,122	4,534	4,800	4,035	4,418	5,198
1970	4,681	4,707	4,949	4,570	4,591	3,785	3,821	5,018
1969	4,772	4,783	4,518	4,749	4,815	4,069	3,805	5,226
1968	4,745	4,804	4,382	4,571	4,482	3,685	4,193	4,946
1967	4,697	4,770	4,289	4,482	4,759	4,176	3,912	5,105
1966	4,729	4,850	4,411	4,363	4,388	3,869	3,722	4,690
1965	4,604	4,689	3,963	4,360	4,510	4,292	4,845	4,635
	STEAM				INTERNAL COMBUSTION			
1985	**3,683**	**3,744**	**4,446**	**3,032**	**338**	**410**	**460**	**294**
1984	3,605	3,652	4,399	3,055	386	414	593	354
1983	3,463	3,519	3,928	2,966	436	377	608	448
1982	3,449	3,477	3,924	3,139	437	285	554	506
1981	3,748	3,764	4,417	3,478	501	303	638	598
1980	3,825	3,849	4,433	3,528	655	372	764	800
1979	3,849	3,881	4,381	3,527	753	347	903	956
1978	3,885	3,916	4,446	3,578	872	457	992	1,069
1977	4,022	4,048	4,423	3,777	893	487	1,129	1,070
1976	3,906	3,956	4,437	3,478	1,000	454	1,313	1,233
1975	3,815	3,868	4,375	3,358	1,127	479	1,423	1,396
1974	3,995	4,029	4,756	3,629	1,206	592	1,294	1,478
1973	4,441	4,444	5,200	4,298	1,300	478	1,723	1,668
1972	4,551	4,563	5,440	4,318	1,434	778	1,577	1,769
1971	4,540	4,589	5,377	4,063	1,406	769	1,578	1,702
1970	4,751	4,803	5,234	4,321	1,417	751	1,510	1,733
1969	4,820	4,869	4,819	4,493	1,364	593	1,575	1,695
1968	4,862	4,934	4,734	4,425	1,330	535	1,583	1,639
1967	4,742	4,851	4,671	4,096	1,326	364	1,672	1,633
1966	4,864	4,967	4,816	4,247	1,502	368	2,074	1,789
1965	4,682	4,749	4,288	4,291	1,523	390	2,159	1,802

Source: U.S. Department of Energy Information Administration, Monthly Power Plant Report (EIA-759), as shown in Tables 2 and 12.

TABLE 14

GENERATION IN PERCENT OF TOTAL TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR

Year	Investor-Owned	Cooperatives	Government-Owned	Total	Investor-Owned	Cooperatives	Government-Owned	Total	Investor-Owned	Cooperatives	Government-Owned
	TOTAL			HYDRO				CONVENTIONAL STEAM			
1985	**77.7%**	**4.4%**	**17.9%**	**11.4%**	**2.7%**	***%**	**8.7%**	**73.0%**	**60.9%**	**4.3%**	**7.8%**
1984	76.5	4.2	19.3	13.3	3.5	*	9.8	73.1	61.6	4.2	7.3
1983	76.4	3.6	20.0	14.4	3.9	*	10.5	72.8	61.7	3.6	7.5
1982	76.4	3.4	20.2	13.8	3.7	*	10.1	73.5	62.3	3.4	7.8
1981	77.8	3.2	19.0	11.4	2.7	*	8.7	76.6	65.0	3.2	8.4
1980	78.0	2.8	19.2	12.1	3.1	*	9.0	76.8	65.6	2.8	8.4
1979	78.1	2.4	19.5	12.4	3.3	*	9.1	76.0	65.5	2.4	8.1
1978	78.0	2.2	19.8	12.7	3.3	*	9.4	74.6	64.2	2.2	8.2
1977	79.3	2.1	18.6	10.4	2.6	*	7.8	77.6	67.0	2.1	8.5
1976	77.7	2.0	20.3	13.9	3.3	*	10.6	76.4	66.1	1.9	8.4
1975	77.5	1.9	20.6	15.6	4.2	*	11.4	75.1	65.2	1.8	8.1
1974	77.3	1.8	20.9	16.1	4.4	*	11.7	77.5	67.6	1.8	8.1
1973	78.1	1.9	20.0	14.6	4.2	*	10.4	80.6	69.7	1.9	9.0
1972	77.7	1.8	20.5	15.6	4.4	*	11.2	80.9	70.3	1.8	8.8
1971	77.4	1.7	20.9	16.5	4.7	*	11.8	80.7	70.4	1.7	8.6
1970	77.3	1.5	21.2	16.2	4.7	*	11.5	82.0	71.3	1.5	9.2
1969	76.4	1.2	22.4	17.3	5.2	*	12.1	81.3	70.4	1.2	9.7
1968	76.7	1.0	22.3	16.8	5.1	*	11.7	81.9	70.9	1.0	10.0
1967	76.5	1.0	22.5	18.2	5.9	*	12.3	80.7	70.1	0.9	9.7
1966	77.0	1.0	22.0	17.0	5.5	*	11.5	82.1	71.1	0.9	10.1
1965	76.7	0.8	22.5	18.4	6.4	*	12.0	80.8	70.0	0.7	10.1
				NUCLEAR STEAM				INTERNAL COMBUSTION			
1985				**15.5%**	**14.1%**	***%**	**1.4%**	**0.1%**	***%**	***%**	***%**
1984				13.5	11.4	*	2.1	0.1	*	*	0.1
1983				12.7	10.8	*	1.9	0.1	*	*	0.1
1982				12.6	10.4	*	2.2	0.1	*	*	0.1
1981				11.9	10.1	*	1.8	0.1	*	*	0.1
1980				11.0	9.3	*	1.7	0.1	*	*	0.1
1979				11.4	9.3	*	2.1	0.2	*	*	0.2
1978				12.5	10.5	*	2.0	0.2	*	*	0.2
1977				11.8	9.7	*	2.1	0.2	*	*	0.2
1976				9.4	8.2	0.1	1.1	0.3	0.1	*	0.2
1975				9.0	8.0	0.1	0.9	0.3	0.1	*	0.2
1974				6.1	5.3	*	0.8	0.3	*	*	0.3
1973				4.5	4.2	*	0.3	0.3	*	*	0.3
1972				3.1	2.9	*	0.2	0.4	0.1	*	0.3
1971				2.4	2.2	*	0.2	0.4	0.1	*	0.3
1970				1.4	1.2	*	0.2	0.4	0.1	*	0.3
1969				1.0	0.7	—	0.3	0.4	0.1	*	0.3
1968				1.0	0.7	*	0.3	0.3	*	*	0.3
1967				0.7	0.5	*	0.2	0.4	*	0.1	0.3
1966				0.5	0.4	*	0.1	0.4	*	0.1	0.3
1965				0.3	0.3	*	*	0.5	*	0.1	0.4

**Less than one tenth of one percent.*

Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759), as shown in Table 12.

TABLE 15

GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
1984 and 1985 – KILOWATTHOURS IN MILLIONS

Division State	Total Electric Utility Industry†		Hydro		Conventional Steam		Nuclear Steam		Internal Combustion	
	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984
Total United States	**2,469,841**	**2,416,304**	**281,149**	**321,150**	**1,803,323**	**1,765,608**	**383,691**	**327,634**	**1,662**	**1,901**
Maine	9,136	9,227	1,718	2,014	2,062	2,086	5,354	5,123	2	4
New Hampshire	6,034	6,312	975	1,100	5,059	5,212	–	–	–	–
Vermont	4,185	4,468	852	879	332	251	2,999	3,336	1	2
Massachusetts	36,259	32,878	200	234	29,816	31,484	6,133	1,035	111	125
Rhode Island	547	603	–	2	539	589	–	–	8	12
Connecticut	25,227	27,244	258	371	12,247	12,580	12,721	14,292	1	1
New England	**81,388**	**80,731**	**4,003**	**4,600**	**50,054**	**52,202**	**27,208**	**23,786**	**122**	**143**
New York	111,782	109,140	26,956	26,586	60,689	61,326	24,092	21,187	45	41
New Jersey	34,355	26,342	(247)	(249)	16,832	20,981	17,770	5,610	–	–
Pennsylvania	135,018	130,905	971	1,446	107,807	107,887	26,232	21,564	8	8
Middle Atlantic	**281,155**	**266,386**	**27,680**	**27,783**	**185,328**	**190,195**	**68,094**	**48,360**	**53**	**48**
Ohio	110,763	108,249	175	164	108,640	103,765	1,943	4,312	5	9
Indiana	78,484	80,963	426	436	78,053	80,520	–	–	5	8
Illinois	103,667	101,011	119	124	64,418	65,866	39,106	34,976	23	46
Michigan	74,485	71,963	881	954	60,080	56,840	13,452	14,078	72	90
Wisconsin	41,195	41,854	2,288	2,080	27,925	29,026	10,979	10,745	4	2
East North Central	**408,593**	**404,040**	**3,888**	**3,758**	**339,115**	**336,016**	**65,480**	**64,112**	**109**	**154**
Minnesota	30,954	28,453	829	826	18,549	19,290	11,572	8,328	3	8
Iowa	23,474	22,762	988	917	20,554	19,141	1,927	2,700	5	4
Missouri	57,335	56,015	2,993	1,587	46,274	53,442	8,030	920	38	65
North Dakota	22,071	21,872	2,173	2,362	19,898	19,511	–	–	(*)	(*)
South Dakota	7,822	8,157	5,301	5,690	2,523	2,468	–	–	(1)	(1)
Nebraska	15,934	17,977	1,441	1,345	10,332	10,820	4,134	5,780	27	32
Kansas	27,512	26,175	9	7	23,382	25,852	3,856	–	265	316
West North Central	**185,101**	**181,411**	**13,733**	**12,734**	**141,513**	**150,524**	**29,519**	**17,729**	**336**	**424**
Delaware	8,470	9,369	–	–	8,465	9,364	–	–	5	5
Maryland	32,300	35,683	1,524	2,022	20,805	21,936	9,926	11,651	45	74
District of Columbia	107	312	–	–	107	312	–	–	–	–
Virginia	42,084	38,152	818	1,154	18,953	19,937	22,303	17,045	9	15
West Virginia	79,536	77,883	368	448	79,168	77,435	–	–	–	–
North Carolina	74,492	79,054	4,091	6,366	51,099	52,456	19,303	20,232	–	*
South Carolina	53,555	44,988	1,786	3,128	19,943	18,625	31,826	23,235	*	*
Georgia	80,925	73,510	2,772	4,083	68,023	63,955	10,130	5,472	*	*
Florida	96,434	94,370	244	213	72,496	69,836	23,461	24,078	233	244
South Atlantic	**467,904**	**453,321**	**11,602**	**17,415**	**339,059**	**333,855**	**116,950**	**101,713**	**293**	**338**
Kentucky	63,047	58,929	2,941	3,514	60,106	55,415	–	–	*	*
Tennessee	66,581	68,764	6,539	10,181	50,370	46,082	9,672	12,501	–	–
Alabama	72,667	77,114	6,862	10,774	51,492	42,129	14,313	24,211	–	–
Mississippi	19,185	15,384	–	–	14,853	15,219	4,332	165	–	–
East South Central	**221,480**	**220,191**	**16,343**	**24,469**	**176,821**	**158,846**	**28,317**	**36,877**	*	*
Arkansas	35,565	30,052	4,434	2,723	21,241	16,521	9,889	10,808	*	*
Louisiana	44,261	39,328	–	–	41,800	39,322	2,457	–	4	6
Oklahoma	44,139	45,082	3,980	2,339	40,107	42,681	–	–	52	62
Texas	218,510	218,101	1,401	1,031	217,023	216,985	–	–	86	85
West South Central	**342,476**	**332,563**	**9,815**	**6,093**	**320,171**	**315,509**	**12,347**	**10,808**	**143**	**153**
Montana	18,773	18,896	10,175	11,112	8,598	7,783	–	–	*	*
Idaho	10,866	13,196	10,863	13,195	2	1	–	–	*	*
Wyoming	35,661	31,543	1,068	1,286	34,591	30,255	–	–	(*)	(1)
Colorado	28,812	27,441	2,357	25,213	26,483	25,213	(32)	55	4	4
New Mexico	27,108	26,891	128	94	26,980	26,794	–	–	*	3
Arizona	48,227	45,805	13,972	15,664	33,125	30,141	1,130	–	*	*
Utah	15,411	13,788	1,019	1,391	14,390	12,397	–	–	1	1
Nevada	16,746	20,458	4,344	5,613	12,402	14,846	–	–	(1)	(1)
Mountain	**201,604**	**198,019**	**43,926**	**50,523**	**156,572**	**147,431**	**1,098**	**55**	**6**	**7**
Washington	93,140	95,197	76,923	83,301	8,179	6,582	8,038	5,313	*	*
Oregon	48,248	52,061	40,752	46,607	586	719	6,911	4,736	(*)	(*)
California	127,846	121,669	31,717	43,159	76,363	64,339	19,729	14,144	23	17
Pacific	**269,234**	**268,926**	**149,392**	**173,068**	**85,128**	**71,640**	**34,678**	**24,193**	**23**	**17**
Alaska	4,285	4,012	748	693	3,279	3,044	–	–	258	275
Hawaii	6,621	6,702	19	15	6,283	6,346	–	–	319	341
Alaska & Hawaii	**10,906**	**10,714**	**767**	**708**	**9,562**	**9,390**	**–**	**–**	**577**	**616**

Note: Total may not equal sum of components due to independent rounding.
†Total includes generation by wind (1984 – 6.5 kWh in millions; 1985 – 5.8 kWh in millions) and generation by solar (1984 – 5.2 kWh in millions; 1985 – 10.6 kWh in millions).
( ) Denotes negative figure. *Less than five hundred thousand kilowatthours.
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 16

GENERATION
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
1984 and 1985—KILOWATTHOURS IN MILLIONS

Division/State	Total Investor-Owned Utilities†		Hydro		Conventional Steam		Nuclear Steam		Internal Combustion	
	1985	1984	1985	1984	1985	1984	1985	1984	1985	1984
Total United States	**1,918,032**	**1,848,916**	**66,334**	**83,639**	**1,503,349**	**1,487,840**	**347,769**	**276,849**	**570**	**579**
Maine	9,129	9,220	1,711	2,007	2,062	2,086	5,354	5,123	1	4
New Hampshire	6,034	6,312	975	1,100	5,059	5,212	—	—	—	—
Vermont	3,806	4,168	801	824	5	7	2,999	3,336	1	2
Massachusetts	35,098	31,535	162	190	28,713	30,223	6,133	1,035	91	87
Rhode Island	547	601	—	—	539	589	—	—	8	12
Connecticut	25,191	27,196	246	358	12,223	12,546	12,721	14,292	*	1
New England	**79,805**	**79,033**	**3,895**	**4,479**	**48,600**	**50,663**	**27,208**	**23,786**	**102**	**105**
New York	77,207	73,823	3,508	3,959	58,496	59,616	15,196	10,240	7	7
New Jersey	34,164	26,118	(244)	(252)	16,639	20,760	17,770	5,610	—	—
Pennsylvania	135,013	130,895	971	1,446	107,803	107,877	26,232	21,564	8	6
Middle Atlantic	**246,385**	**230,835**	**4,235**	**5,154**	**182,937**	**188,253**	**59,198**	**37,414**	**15**	**15**
Ohio	109,507	107,008	169	158	107,392	102,534	1,943	4,312	3	3
Indiana	72,188	74,212	426	435	71,761	73,776	—	—	1	1
Illinois	100,805	98,064	53	59	61,646	63,029	39,106	34,976	1	1
Michigan	69,974	67,836	624	725	55,893	53,021	13,452	14,078	5	12
Wisconsin	36,636	36,783	2,074	1,891	23,904	24,465	10,656	10,427	1	*
East North Central	**389,110**	**383,903**	**3,346**	**3,268**	**320,596**	**316,824**	**65,158**	**63,793**	**11**	**18**
Minnesota	30,303	27,825	813	817	17,918	18,680	11,572	8,328	*	*
Iowa	21,654	21,277	979	911	18,749	17,666	1,927	2,700	(1)	(*)
Missouri	41,907	38,642	1,183	628	32,695	37,094	8,030	920	(*)	(*)
North Dakota	2,818	2,800	—	—	2,819	2,800	—	—	(*)	(*)
South Dakota	2,521	2,467	*	1	2,522	2,467	—	—	(1)	(1)
Nebraska	—	—	—	—	—	—	—	—	—	—
Kansas	23,570	22,285	9	7	19,705	22,277	3,856	—	*	*
West North Central	**122,774**	**115,295**	**2,985**	**2,364**	**94,407**	**100,985**	**25,385**	**11,949**	**(2)**	**(2)**
Delaware	8,160	8,849	—	—	8,160	8,849	—	—	—	—
Maryland	32,256	35,611	1,524	2,022	20,805	21,936	9,926	11,651	1	2
District of Columbia	107	312	—	—	107	312	—	—	—	—
Virginia	41,586	37,456	349	490	18,931	19,913	22,303	17,045	2	8
West Virginia	79,536	77,883	368	448	79,168	77,435	—	—	—	—
North Carolina	73,670	77,593	3,319	4,938	51,048	52,423	19,303	20,232	—	—
South Carolina	44,231	35,904	827	1,562	11,577	11,107	31,826	23,235	—	—
Georgia	79,338	71,429	1,189	2,010	68,018	63,946	10,130	5,472	*	*
Florida	80,132	80,935	*	*	56,670	56,856	23,461	24,078	1	1
South Atlantic	**439,015**	**425,972**	**7,576**	**11,471**	**314,485**	**312,778**	**116,950**	**101,713**	**5**	**11**
Kentucky	27,612	27,873	391	442	27,220	27,432	—	—	—	—
Tennessee	551	888	551	888	—	—	—	—	—	—
Alabama	50,850	47,368	3,149	5,097	36,362	30,224	11,339	12,047	—	—
Mississippi	16,900	13,090	—	—	12,569	12,925	4,332	165	—	—
East South Central	**95,912**	**89,220**	**4,091**	**6,426**	**76,151**	**70,582**	**15,671**	**12,212**	**—**	**—**
Arkansas	31,314	27,540	207	236	21,218	16,497	9,889	10,808	*	*
Louisiana	36,328	32,397	—	—	33,870	32,397	2,457	—	*	*
Oklahoma	34,222	36,454	—	—	34,219	36,451	—	—	2	3
Texas	185,491	187,418	59	41	185,431	187,376	—	—	1	1
West South Central	**287,354**	**283,810**	**266**	**276**	**274,738**	**272,721**	**12,347**	**10,808**	**3**	**5**
Montana	13,710	13,316	5,111	5,533	8,598	7,783	—	—	*	*
Idaho	7,386	9,457	7,383	9,456	2	1	—	—	*	*
Wyoming	25,074	21,482	—	—	25,074	21,482	—	—	(*)	(1)
Colorado	12,218	12,707	102	82	12,148	12,570	(32)	55	*	*
New Mexico	25,112	26,318	—	—	25,111	26,315	—	—	*	3
Arizona	11,311	7,738	36	36	10,144	7,702	1,130	—	*	*
Utah	14,612	12,743	235	347	14,377	12,396	—	—	(*)	(*)
Nevada	12,437	14,892	36	47	12,402	14,846	—	—	(1)	(1)
Mountain	**121,860**	**118,654**	**12,903**	**15,501**	**107,858**	**103,096**	**1,098**	**55**	**(*)**	**2**
Washington	11,787	11,039	3,608	4,457	8,179	6,582	—	—	*	*
Oregon	15,212	15,289	7,715	9,836	586	719	6,91	4,736	(*)	(*)
California	102,035	89,048	15,632	20,346	68,528	58,292	17,84	10,384	18	17
Pacific	**129,034**	**115,376**	**26,956**	**34,638**	**77,293**	**65,593**	**24,755**	**15,120**	**18**	**17**
Alaska	161	115	62	47	—	—	—	—	99	68
Hawaii	6,621	6,702	19	15	6,283	6,346	—	—	319	341
Alaska & Hawaii	**6,783**	**6,817**	**81**	**62**	**6,283**	**6,346**	**—**	**—**	**419**	**408**

Note: Total may not equal sum of components due to independent rounding.
†Total includes generation by wind (1984—3.5 kWh in millions, 1985—2.8 kWh in millions) and generation by solar (1984—5.0 kWh in millions, 1985—8.8 kWh in millions).
*( ) Denotes negative figure. *Less than five hundred thousand kilowatthours.*
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 17

GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY AND INVESTOR-OWNED ELECTRIC UTILITIES

BY MONTH AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
1982-1985 – KILOWATTHOURS IN MILLIONS

	Total Electric Utility Industry*					Investor-Owned Electric Utilities*				
Year–Month	Total	Hydro	Conventional Steam	Nuclear Steam	Internal Combustion	Total	Hydro	Conventional Steam	Nuclear Steam	Internal Combustion
YEAR–1985										
January	227,856	27,543	163,973	36,186	153	173,754	6,008	137,349	30,337	59
February	198,242	25,902	141,403	30,812	123	150,552	5,918	118,997	25,587	50
March	194,970	24,640	139,178	31,041	110	150,720	6,342	117,443	26,888	47
April	184,877	24,403	133,907	26,458	107	142,462	6,713	112,093	23,612	43
May	196,790	26,421	141,551	28,697	119	150,762	6,388	117,461	26,872	40
June	205,363	23,839	150,535	30,837	150	158,780	5,089	124,909	28,736	44
July	226,722	21,293	170,058	35,184	187	177,729	4,320	141,397	31,960	52
August	226,050	19,981	171,059	34,812	196	179,285	4,188	142,921	32,121	54
September	202,499	18,767	149,067	34,508	155	161,226	4,363	124,243	32,577	43
October	194,789	20,048	143,409	31,205	126	154,363	5,070	119,464	29,783	45
November	192,427	22,954	139,203	30,166	104	148,991	5,905	114,892	28,151	42
December	219,255	25,359	159,980	33,782	133	169,408	6,029	132,181	31,146	51
Total	2,469,841	281,149	1,803,323	383,691	1,662	1,918,032	66,334	1,503,349	347,769	570
YEAR–1984										
January	216,632	29,737	157,394	29,313	187	165,365	8,341	132,447	24,520	57
February	189,564	27,900	133,088	28,436	140	143,645	7,596	112,405	23,603	41
March	200,107	30,435	142,190	27,345	136	152,991	8,423	121,129	23,395	45
April	181,084	29,970	126,769	24,231	114	136,883	8,807	107,688	20,352	35
May	192,217	31,814	134,410	25,867	126	144,934	8,905	114,419	21,570	38
June	209,648	28,773	155,383	25,299	192	158,914	7,308	130,490	21,058	58
July	221,245	27,495	165,254	28,284	212	168,420	6,456	138,650	23,258	55
August	229,296	25,137	174,417	29,493	247	177,577	5,811	146,891	24,811	63
September	195,198	20,911	144,985	29,146	155	151,564	4,824	121,751	24,946	41
October	190,936	20,887	145,149	24,774	126	149,581	5,166	122,180	22,190	44
November	190,380	22,259	143,404	24,575	141	146,962	5,508	120,193	21,206	55
December	199,996	25,834	143,166	30,872	124	152,080	6,494	119,595	25,941	49
Total	2,416,304	321,150	1,765,608	327,634	1,901	1,848,916	83,639	1,487,840	276,849	579
YEAR–1983										
January	195,579	29,235	141,121	25,073	151	148,379	7,951	118,973	21,414	41
February	172,479	27,950	122,194	22,198	137	130,361	7,925	104,443	17,947	45
March	182,488	30,302	128,136	23,890	160	137,712	9,010	109,219	19,418	65
April	170,372	29,989	117,884	22,335	165	127,950	9,186	101,309	17,380	75
May	174,392	31,194	121,013	22,051	134	131,484	9,068	104,283	18,096	37
June	191,048	30,692	136,030	24,152	174	144,860	7,825	116,212	20,783	40
July	220,165	28,113	166,162	25,602	288	169,170	6,443	140,439	22,239	49
August	229,957	25,828	177,601	26,201	327	177,653	5,394	149,400	22,810	50
September	195,604	21,712	148,681	25,007	203	152,513	5,095	124,855	22,515	48
October	182,931	20,747	136,249	25,797	138	142,471	5,123	115,601	21,707	40
November	182,949	24,678	133,121	25,010	140	140,971	6,780	112,951	21,198	41
December	212,319	31,691	154,076	26,361	191	160,556	8,863	128,764	22,871	58
Total	2,310,285	332,130	1,682,268	293,677	2,207	1,764,080	88,663	1,426,449	248,379	588
YEAR–1982										
January	209,403	26,896	156,585	25,678	254	161,670	7,028	132,967	21,620	54
February	180,299	26,690	133,220	20,188	201	137,702	7,501	113,535	16,621	47
March	187,687	29,885	134,849	22,755	199	141,710	8,099	115,303	18,253	54
April	172,580	27,928	122,700	21,785	167	130,240	8,104	104,611	17,484	40
May	177,147	27,971	127,366	21,639	172	133,958	7,858	108,371	17,689	40
June	186,128	27,953	133,956	24,026	194	140,529	7,201	113,437	19,852	39
July	210,584	27,294	157,548	25,467	274	160,154	6,188	133,100	20,819	48
August	205,656	23,894	156,517	24,986	258	157,181	5,234	131,339	20,566	42
September	180,662	19,896	135,192	25,391	184	139,937	4,933	114,180	20,793	31
October	172,966	19,750	129,818	23,248	150	134,491	5,013	110,455	18,991	32
November	173,377	23,297	126,696	23,235	150	132,487	6,141	106,904	19,407	35
December	184,722	27,760	132,437	24,376	149	141,517	8,228	112,133	21,118	38
Total	2,241,211	309,213	1,646,883	282,773	2,343	1,711,576	81,527	1,396,336	233,213	501

Note: Total may not equal sum of components due to independent rounding.

**Beginning 1983 generation by wind included in total. Total Electric Utility Industry (1983) – 2.7 kWh in millions; Investor-Owned Utilities – 1.5 kWh in millions. Total Electric Utility Industry (1984) – 6.5 kWh in millions; Investor-Owned Utilities – 3.5 kWh in millions. Total Electric Utility Industry (1985) – 5.8 kWh in millions. Investor-Owned Utilities – 2.8 kWh in millions. Beginning 1984 generation by solar included in total. Total Electric Utility Industry (1984) – 5.2 kWh in millions; Investor-Owned Utilities – 5.0 kWh in millions. Total Electric Utility Industry (1985) – 10.6 kWh in millions; Investor-Owned Utilities – 8.8 kWh in millions.*

Source: U.S. Department of Energy, Energy Information Administration Monthly Power Plant Report (EIA-759).

TABLE 18

INDEX OF WEEKLY ELECTRIC OUTPUT TOTAL ELECTRIC UTILITY INDUSTRY

(EXCLUDING ALASKA AND HAWAII)
SEASONALLY ADJUSTED—1967 AVERAGE = 100
1975-1985

Week Number	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
1	199	201	169	176	180	179	199	184	181	162	154
2	202	192	174	179	189	178	192	184	182	174	152
3	207	204	176	205	197	170	189	184	191	171	162
4	219	195	188	193	185	176	186	182	193	175	158
5	209	190	182	190	182	194	201	193	187	169	155
6	213	190	177	183	191	190	198	185	183	170	158
7	206	177	186	192	192	188	196	180	176	163	159
8	200	187	183	182	176	185	194	183	177	158	154
9	201	206	184	193	187	200	196	187	174	162	156
10	206	207	185	196	193	204	191	186	177	164	164
11	202	205	186	194	192	196	194	176	170	167	162
12	207	202	189	192	198	195	189	170	171	170	157
13	204	195	201	195	195	196	193	170	176	164	156
14	204	203	195	195	189	191	194	173	171	165	159
15	204	203	196	201	193	188	193	174	172	163	159
16	205	202	200	193	195	195	191	180	174	164	157
17	215	206	191	192	195	188	188	177	170	166	155
18	211	206	191	187	198	187	186	177	175	167	157
19	213	208	191	187	193	187	196	180	174	165	156
20	216	205	190	189	192	185	188	181	183	165	153
21	208	208	190	192	188	182	181	182	179	159	161
22	212	199	187	187	192	185	181	187	179	154	158
23	222	214	188	191	198	193	191	183	177	162	154
24	212	220	198	187	204	180	183	178	176	164	148
25	203	215	193	182	205	179	184	179	174	169	159
26	206	209	194	179	200	192	177	188	177	164	159
27	201	205	190	179	194	192	173	175	181	153	158
28	214	212	200	190	202	197	182	179	184	171	151
29	198	192	201	182	195	202	184	187	187	165	148
30	196	194	199	190	194	194	189	185	170	166	159
31	194	192	202	187	185	194	193	178	175	171	162
32	197	206	199	189	192	204	198	183	182	160	157
33	211	214	207	186	198	201	173	193	167	162	159
34	202	206	215	190	186	196	184	185	163	158	156
35	200	207	205	184	188	194	185	180	173	170	159
36	215	196	211	196	197	201	192	185	172	162	158
37	218	213	204	177	187	200	188	193	173	167	156
38	203	199	195	196	193	198	181	197	177	168	152
39	207	206	189	182	189	203	186	183	180	166	151
40	205	197	197	184	195	192	191	186	175	168	152
41	208	202	194	192	194	186	190	184	176	171	158
42	212	206	198	184	194	188	192	185	176	169	160
43	209	207	197	186	194	189	193	185	173	176	158
44	206	208	197	185	193	194	191	185	173	176	159
45	209	205	199	186	188	187	190	182	174	177	156
46	208	206	201	184	188	188	191	186	177	179	161
47	214	204	191	191	192	201	177	194	170	178	161
48	209	208	205	179	187	190	194	181	186	176	166
49	215	212	199	174	184	184	188	187	185	186	163
50	211	199	195	179	189	185	181	192	177	182	164
51	221	191	212	189	196	192	189	184	172	177	169
52	215	190	229	186	198	199	174	184	181	187	171
Year	**208**	**202**	**195**	**184**	**192**	**191**	**189**	**183**	**177**	**168**	**157**

Note: Seasonal factors are always based on 52 weeks ending on Saturday. Therefore one week is eliminated in 1977 and 1983, since those years had 53 Saturdays.
The above values are based on EEI Weekly Electric Output Index – (Revised Methodology) dated January, 1958.

TABLE 19

WEEKLY ELECTRIC OUTPUT TOTAL ELECTRIC UTILITY INDUSTRY

(EXCLUDING ALASKA AND HAWAII)
1983-1985
KILOWATTHOURS IN MILLIONS

Week Ended	1985	Week Ended	1984	Percent Change 85/84	Week Ended	1983	Percent Change 84/83
					Jan 1	39,828	
Jan 5	45,541	Jan 7	47,393	(3.9)	8	44,706	6.0
12	50,657	14	49,426	2.5	15	44,732	10.5
19	52,261	21	52,607	(0.7)	22	47,478	10.8
26	54,739	28	49,589	10.4	29	45,394	9.2
Feb 2	52,083	Feb 4	47,834	8.9	Feb 5	44,713	7.0
9	53,507	11	48,189	11.0	12	46,055	4.6
16	50,916	18	44,100	15.5	19	43,390	1.6
23	46,797	25	44,447	5.3	26	41,746	6.5
Mar 2	45,239	Mar 3	47,146	(4.0)	Mar 5	41,343	14.0
9	45,886	10	46,783	(2.1)	12	41,356	13.3
16	44,733	17	45,937	(2.6)	19	41,248	11.4
23	44,913	24	44,464	1.0	26	42,734	4.0
30	44,233	31	44,259	(0.1)			
					Apr 2	40,863	8.3
Apr 6	43,447	Apr 7	43,237	0.5	9	40,125	7.8
13	43,336	14	43,057	0.6	16	40,841	5.4
20	43,463	21	42,443	2.4	23	41,486	2.3
27	44,467	28	42,819	3.8	30	39,822	7.5
May 4	43,927	May 5	43,008	2.1	May 7	40,028	7.4
11	44,547	12	43,937	1.4	14	40,391	8.8
18	45,922	19	43,798	4.8	21	40,727	7.5
25	45,169	26	45,243	(0.2)	28	41,569	8.8
June 1	45,806	June 2	43,158	6.1	June 4	40,367	6.9
8	49,819	9	48,424	2.9	11	42,793	13.2
15	49,086	16	51,288	(4.3)	18	46,123	11.2
22	48,948	23	51,465	(4.9)	25	47,445	8.5
29	50,259	30	50,341	(0.2)			
					July 2	48,131	4.6
July 6	47,698	July 7	48,325	(1.3)	9	45,629	5.9
13	53,502	14	52,604	1.7	16	51,046	3.1
20	53,814	21	51,226	5.1	23	53,607	(4.4)
27	52,399	28	50,669	3.4	30	52,214	(3.0)
Aug 3	51,736	Aug 4	50,451	2.5	Aug 6	52,778	(4.4)
10	52,219	11	54,095	(3.5)	13	51,700	4.6
17	53,800	18	53,078	1.4	20	51,398	3.3
24	51,073	25	50,326	1.5	27	52,730	(4.6)
31	51,006						
		Sept 1	51,563	(1.1)	Sept 3	51,296	0.5
Sept 7	52,202	8	46,172	13.1	10	49,438	(6.6)
14	50,060	15	48,732	2.7	17	46,639	4.5
21	46,023	22	45,252	1.7	24	44,095	2.6
28	45,180	29	45,369	(0.4)			
					Oct 1	41,625	9.0
Oct 5	44,052	Oct 6	42,449	3.8	8	42,381	0.2
12	44,305	13	43,223	2.5	15	41,471	4.2
19	45,236	20	43,923	3.0	22	42,251	4.0
26	44,696	27	44,188	1.1	29	42,046	5.1
Nov 2	44,455	Nov 3	44,861	(0.9)	Nov 5	42,577	5.4
9	44,945	10	44,739	0.5	12	43,065	3.9
16	46,055	17	45,796	0.6	19	44,563	2.8
23	47,026	24	45,273	3.9	26	42,099	7.5
30	46,320						
		Dec 1	45,991	0.7	Dec 3	45,354	1.4
Dec 7	50,547	8	49,541	2.0	10	46,889	5.7
14	50,392	15	47,458	6.2	17	46,773	1.5
21	54,033	22	46,345	16.6	24	51,337	(9.7)
28	49,369	29	42,591	15.9	31	51,275	(16.9)

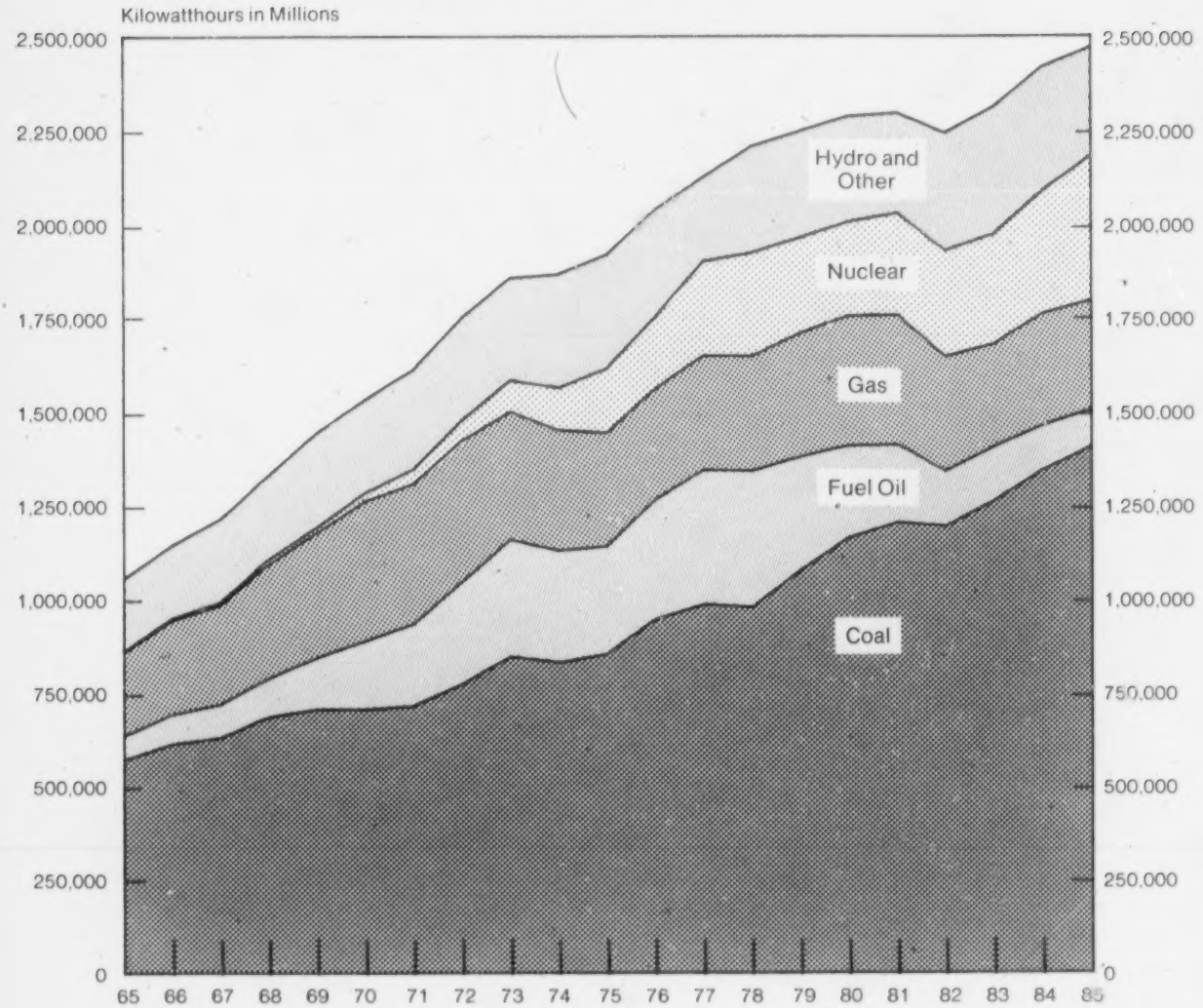
Note: "Weekly Electric Output" is the total of that reported by the individual utilities which consists of the net electric energy generated by each respondent utility plus energy received from others less energy delivered for resale.
These figures are based on the reports of investor-owned utilities, large municipal systems, and state and Federal agencies comprising 92 percent of the total. They are then expanded to an estimated full coverage of the contiguous United States. As these data are for 52 weeks rather than for the calendar year and include net imports and purchases from industrial plants they do not add to totals for the electric utility industry shown in other tables.

FUEL
SECTION IV

CHART IV-A

ELECTRIC POWER GENERATION

TOTAL ELECTRIC UTILITY INDUSTRY
BY SOURCE



Based on Table 21, page 30.
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report *(EIA-759)*

TABLE 21

SOURCES OF ENERGY FOR ELECTRIC GENERATION TOTAL ELECTRIC UTILITY INDUSTRY*

BY YEAR AND ENERGY SOURCE
KILOWATTHOURS IN MILLIONS

Year	Total Generation	Coal	Fuel Oil	Gas	Nuclear	Hydro	Other**
1985	**2,469,841**	**1,402,128**	**100,202**	**291,946**	**383,691**	**281,149**	**10,724**
1984	2,416,304	1,341,681	119,808	297,394	327,634	321,150	8,638
1983	2,310,285	1,259,424	144,499	274,098	293,677	332,130	6,456
1982	2,241,211	1,192,379	146,423	305,260	282,773	309,213	5,164
1981	2,294,812	1,203,554	206,070	345,777	272,674	260,684	6,054
1980	2,286,414	1,161,969	245,547	346,233	251,121	276,039	5,506
1979	2,247,359	1,075,595	302,948	329,486	255,155	279,790	4,387
1978	2,206,313	976,618	364,153	305,392	276,403	280,432	3,315
1977	2,124,166	985,465	357,866	305,444	250,882	220,446	4,063
1976	2,037,674	944,562	319,779	294,610	191,107	283,734	3,883
1975	1,917,619	852,972	288,873	299,766	172,506	300,065	3,437
1974	1,866,436	829,842	299,306	319,931	113,727	300,928	2,703
1973	1,856,216	845,704	312,805	340,449	83,334	271,634	2,290
1972	1,749,637	772,871	272,530	375,735	54,092	272,626	1,783
1971	1,612,589	714,676	218,608	374,026	38,106	266,314	859
1970	1,531,609	706,102	182,488	372,884	21,797	247,456	882
1969	1,442,182	706,001	137,847	333,279	13,928	250,193	934
1968	1,329,443	684,905	104,276	304,433	12,528	222,491	810
1967	1,214,365	630,483	89,271	264,806	7,655	221,518	632
1966	1,144,350	613,475	78,926	251,151	5,520	194,756	522
1965	1,055,252	570,926	64,801	221,559	3,657	193,851	458

Note: Total may not equal sum of components due to independent rounding.
**Generation by petroleum coke included in fuel oil from 1964 to 1980, and 1983 to 1985. In 1981 and 1982 petroleum coke included in coal.*
***Includes generation by geothermal, wood, waste, wind and solar.*
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report *(EIA-759).*

TABLE 22

SOURCES OF ENERGY FOR ELECTRIC GENERATION IN PERCENT OF TOTAL TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND ENERGY SOURCE

Year	Coal	Fuel Oil	Gas	Nuclear	Hydro	Other
1985	**56.8%**	**4.1%**	**11.8%**	**15.5%**	**11.4%**	**0.4%**
1984	55.5	5.0	12.3	13.6	13.3	0.4
1983	54.5	6.3	11.9	12.7	14.4	0.3
1982	53.2	6.5	13.6	12.6	13.8	0.2
1981	52.4	9.0	15.1	11.9	11.4	0.3
1980	50.8	10.7	15.1	11.0	12.1	0.2
1979	47.9	13.5	14.7	11.4	12.4	0.2
1978	44.3	16.5	13.8	12.5	12.7	0.2
1977	46.4	16.8	14.4	11.8	10.4	0.2
1976	46.4	15.7	14.5	9.4	13.9	0.2
1975	44.5	15.1	15.6	9.0	15.6	0.2
1974	44.5	16.0	17.1	6.1	16.1	0.1
1973	45.6	16.9	18.3	4.5	14.6	0.1
1972	44.2	15.6	21.5	3.1	15.6	0.1
1971	44.3	13.6	23.2	2.4	16.5	0.1
1970	46.1	11.9	24.3	1.4	16.2	0.1
1969	49.0	9.6	23.1	1.0	17.3	0.1
1968	51.5	7.8	22.9	0.9	16.7	0.1
1967	51.9	7.4	21.8	0.6	18.2	0.1
1966	53.6	6.9	21.9	0.5	17.0	*
1965	54.1	6.1	21.0	0.3	18.4	*

Note: Total may not equal sum of components due to independent rounding.
**Less than one tenth of one percent.*
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report *(EIA-759), as shown in Table 21.*

TABLE 23

SOURCES OF ENERGY FOR ELECTRIC GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND ENERGY SOURCE

YEAR 1985—KILOWATTHOURS IN MILLIONS

Division/State	Total Generation	Coal†	Fuel Oil††	Gas	Nuclear Fuel	Hydro	Other**
Total United States	**2,469,841**	**1,402,128**	**100,202**	**291,946**	**383,691**	**281,149**	**10,724**
Maine	9,136	–	2,063	–	5,354	1,718	–
New Hampshire	6,034	3,691	1,368	(*)	–	975	–
Vermont	4,185	39	9	5	2,999	852	280
Massachusetts	36,259	10,577	15,017	4,333	6,133	200	–
Rhode Island	547	–	346	201	–	–	–
Connecticut	25,227	1,861	10,252	135	12,721	258	–
New England	**81,388**	**16,168**	**29,055**	**4,674**	**27,208**	**4,003**	**280**
New York	111,782	18,811	25,927	15,995	24,092	26,956	(*)
New Jersey	34,355	8,571	2,921	5,340	17,770	(247)	–
Pennsylvania	135,018	99,993	7,682	140	26,232	971	–
Middle Atlantic	**281,155**	**127,376**	**36,530**	**21,475**	**68,094**	**27,680**	**(*)**
Ohio	110,763	108,029	306	45	1,943	175	265
Indiana	78,484	77,762	196	99	–	426	–
Illinois	103,667	62,983	998	460	39,106	119	–
Michigan	74,485	59,202	537	413	13,452	881	–
Wisconsin	41,195	27,663	108	69	10,979	2,288	88
East North Central	**408,593**	**335,640**	**2,145**	**1,086**	**65,480**	**3,888**	**354**
Minnesota	30,954	18,449	18	86	11,572	829	(*)
Iowa	23,474	20,350	44	105	1,927	988	60
Missouri	57,335	46,122	90	99	8,030	2,993	–
North Dakota	22,071	19,873	25	(*)	–	2,173	*
South Dakota	7,822	2,513	8	*	–	5,301	–
Nebraska	15,934	10,232	24	103	4,134	1,441	–
Kansas	27,512	21,917	101	1,629	3,856	9	*
West North Central	**185,101**	**139,457**	**309**	**2,022**	**29,519**	**13,733**	**60**
Delaware	8,470	5,866	1,878	726	–	–	–
Maryland	32,300	17,613	3,134	88	9,926	1,524	16
District of Columbia	107	–	107	–	–	–	–
Virginia	42,084	17,811	1,008	144	22,303	818	–
West Virginia	79,536	78,905	248	15	–	368	–
North Carolina	74,492	50,845	219	34	19,303	4,091	–
South Carolina	53,555	19,814	97	32	31,826	1,786	–
Georgia	80,925	67,828	130	65	10,130	2,772	–
Florida	96,434	43,525	13,870	15,334	23,461	244	–
South Atlantic	**467,904**	**302,206**	**20,692**	**16,439**	**116,950**	**11,602**	**16**
Kentucky	63,047	59,839	157	110	–	2,941	–
Tennessee	66,581	50,242	128	*	9,672	6,539	–
Alabama	72,667	51,375	45	73	14,313	6,862	–
Mississippi	19,185	10,015	37	4,801	4,332	–	–
East South Central	**221,480**	**171,470**	**366**	**4,985**	**28,317**	**16,343**	**–**
Arkansas	35,565	20,225	11	954	9,889	4,434	–
Louisiana	44,261	13,968	100	27,736	2,457	–	–
Oklahoma	44,139	20,430	39	19,690	–	3,980	–
Texas	218,510	98,058	810	117,942	–	1,401	300
West South Central	**342,476**	**152,731**	**960**	**166,323**	**12,347**	**9,815**	**300**
Montana	18,773	8,465	16	58	–	10,175	60
Idaho	10,866	–	1	2	–	10,863	–
Wyoming	35,661	34,509	72	9	–	1,068	3
Colorado	28,812	26,128	21	335	(32)	2,357	3
New Mexico	27,108	24,260	41	2,679	–	128	–
Arizona	48,227	29,076	177	3,872	1,130	13,972	–
Utah	15,411	14,229	40	14	–	1,019	110
Nevada	16,746	11,642	55	704	–	4,344	–
Mountain	**201,604**	**148,309**	**423**	**7,673**	**1,098**	**43,926**	**175**
Washington	93,140	7,884	8	5	8,038	76,923	282
Oregon	48,248	592	(7)	–	6,911	40,752	–
California	127,846	–	2,667	64,518	19,729	31,717	9,215
Pacific	**269,234**	**8,476**	**2,668**	**64,523**	**34,678**	**149,392**	**9,496**
Alaska	4,285	296	496	2,746	–	748	*
Hawaii	6,621	–	6,558	–	–	19	44
Alaska & Hawaii	**10,906**	**296**	**7,054**	**2,746**	**–**	**767**	**44**

Note: Total may not equal sum of components due to independent rounding.

† Excludes petroleum coke.

†† Includes petroleum coke.

** Less than five hundred thousand kilowatthours.*

*** Includes generation by geothermal, wood, waste, wind and solar.*

( ) Denotes negative figure.

Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 24

SOURCES OF ENERGY FOR ELECTRIC GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND ENERGY SOURCE
YEAR 1985 – PERCENT

Division: State	Total Generation	Coal†	Fuel Oil††	Gas	Nuclear Fuel	Hydro	Other**
Total United States	**100.0%**	**56.8%**	**4.1%**	**11.8%**	**15.5%**	**11.4%**	**0.4%**
Maine	100.0	–	22.6	–	58.6	18.8	–
New Hampshire	100.0	61.2	22.7	(*)	–	16.2	–
Vermont	100.0	0.9	0.2	0.1	71.7	20.4	6.7
Massachusetts	100.0	29.2	41.4	12.0	16.9	0.6	–
Rhode Island	100.0	–	63.3	36.7	–	–	–
Connecticut	100.0	7.4	40.6	0.5	50.4	1.0	–
New England	**100.0**	**19.9**	**35.7**	**5.7**	**33.4**	**4.9**	**0.3**
New York	100.0	16.8	23.2	14.3	21.6	24.1	(*)
New Jersey	100.0	24.9	8.5	15.5	51.7	(0.7)	–
Pennsylvania	100.0	74.1	5.7	0.1	19.4	0.7	–
Middle Atlantic	**100.0**	**45.3**	**13.0**	**7.6**	**24.2**	**9.8**	**(*)**
Ohio	100.0	97.5	0.3	*	1.8	0.2	0.2
Indiana	100.0	99.1	0.2	0.1	–	0.5	–
Illinois	100.0	60.8	1.0	0.4	37.7	0.1	–
Michigan	100.0	79.5	0.7	0.6	18.1	1.2	–
Wisconsin	100.0	67.2	0.3	0.2	26.7	5.6	0.2
East North Central	**100.0**	**82.1**	**0.5**	**0.3**	**16.0**	**1.0**	**0.1**
Minnesota	100.0	59.6	0.1	0.3	37.4	2.7	(*)
Iowa	100.0	86.7	0.2	0.4	8.2	4.2	0.3
Missouri	100.0	80.4	0.2	0.2	14.0	5.2	–
North Dakota	100.0	90.0	0.1	(*)	–	9.8	*
South Dakota	100.0	32.1	0.1	*	–	67.8	–
Nebraska	100.0	64.2	0.2	0.6	25.9	9.0	–
Kansas	100.0	79.7	0.4	5.9	14.0	*	*
West North Central	**100.0**	**75.3**	**0.2**	**1.1**	**15.9**	**7.4**	*
Delaware	100.0	69.3	22.2	8.6	–	–	–
Maryland	100.0	54.5	9.7	0.3	30.7	4.7	*
District of Columbia	100.0	–	100.0	–	–	–	–
Virginia	100.0	42.3	2.4	0.3	53.0	1.9	–
West Virginia	100.0	99.2	0.3	*	–	0.5	–
North Carolina	100.0	68.3	0.3	*	25.9	5.5	–
South Carolina	100.0	37.0	0.2	0.1	59.4	3.3	–
Georgia	100.0	83.8	0.2	0.1	12.5	3.4	–
Florida	100.0	45.1	14.4	15.9	24.3	0.3	–
South Atlantic	**100.0**	**64.6**	**4.4**	**3.5**	**25.0**	**2.5**	*
Kentucky	100.0	94.9	0.2	0.2	–	4.7	–
Tennessee	100.0	75.5	0.2	*	14.5	9.8	–
Alabama	100.0	70.7	0.1	0.1	19.7	9.4	–
Mississippi	100.0	52.2	0.2	25.0	22.6	–	–
East South Central	**100.0**	**77.4**	**0.2**	**2.3**	**12.8**	**7.4**	–
Arkansas	100.0	57.0	*	2.7	27.8	12.5	–
Louisiana	100.0	31.6	0.2	62.7	5.6	–	–
Oklahoma	100.0	46.3	0.1	44.6	–	9.0	–
Texas	100.0	44.9	0.4	54.0	–	0.6	0.1
West South Central	**100.0**	**44.6**	**0.3**	**48.6**	**3.6**	**2.9**	**0.1**
Montana	100.0	45.1	0.1	0.3	–	54.2	0.3
Idaho	100.0	–	*	*	–	100.0	–
Wyoming	100.0	96.8	0.2	*	–	3.0	*
Colorado	100.0	90.7	0.1	1.2	(0.1)	8.2	*
New Mexico	100.0	89.5	0.2	9.9	–	0.5	–
Arizona	100.0	60.3	0.4	8.0	2.3	29.0	–
Utah	100.0	92.3	0.3	0.1	–	6.6	0.7
Nevada	100.0	69.5	0.3	4.2	–	25.9	–
Mountain	**100.0**	**73.6**	**0.2**	**3.8**	**0.5**	**21.8**	**0.1**
Washington	100.0	8.5	*	*	8.6	82.6	0.3
Oregon	100.0	1.2	(*)	–	14.3	84.5	–
California	100.0	–	2.1	50.5	15.4	24.8	7.2
Pacific	**100.0**	**3.1**	**1.0**	**24.0**	**12.9**	**55.5**	**3.5**
Alaska	100.0	6.9	11.6	64.1	–	17.5	*
Hawaii	100.0	–	99.0	–	–	0.3	0.7
Alaska & Hawaii	**100.0**	**2.7**	**64.7**	**25.2**	–	**7.0**	**0.4**

Note: Total may not equal sum of components due to independent rounding.
†Excludes petroleum coke.
††Includes petroleum coke.
**Less than one tenth of one percent.*
***Includes generation by geothermal, wood, waste, wind and solar.*
( ) Denotes negative figure.
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759), as shown in Table 23.

TABLE 25

CONSUMPTION OF FOSSIL FUELS FOR ELECTRIC GENERATION TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND KIND OF FUEL

Year	Coal* (Thousand Short Tons)	Fuel Oil (Thousand 42-Gallon Barrels)	Gas (Million Cubic Feet)	Total Fossil Fuel in Coal Equivalents**† (Thousand Short Tons)	Net Generation by Fuels** (kWh in Millions)	Heat Rate† (Btu per kWh)	Lbs. of Coal per kWh†
1985	**693,841**	**173,414**	**3,044,083**	**926,793‡**	**1,794,276**	**10,426**	**0.990**
1984	664,399	204,479	3,111,342	909,156‡	1,758,882	10,385r	0.990
1983	625,211	245,497	2,910,767	867,621‡	1,678,021	10,547	0.993
1982	593,666	249,771	3,225,518	858,869‡	1,644,062	10,517	0.996
1981	596,936	351,111	3,640,154	922,133‡	1,755,401	10,506	0.992
1980	569,453	420,214	3,681,595	916,952‡	1,753,749	10,489	0.980
1979	527,317	523,256	3,490,517	837,371	1,708,029	10,470	0.981
1978	481,624	635,829	3,188,370	811,814	1,646,163	10,495	0.986
1977	477,215	623,656	3,190,571	798,425	1,648,775	10,449	0.969
1976	448,431	555,583	3,080,627	740,112	1,558,951	10,369	0.950
1975	406,032	506,081	3,157,591	686,236	1,441,611	10,383	0.952
1974	392,344	536,140	3,429,072	685,115	1,449,079	10,481	0.946
1973	388,190	559,842	3,640,756	688,043	1,498,958	10,429	0.918
1972	352,391	493,663	3,976,762	647,968	1,421,136	10,479	0.912
1971	327,878	396,438	3,975,972	599,766	1,307,310	10,536	0.918
1970	320,818	335,504	3,931,996	573,152	1,261,474	10,508	0.909
1969	310,641	251,027	3,487,642	517,937	1,177,127	10,457	0.880
1968	297,779	188,642	3,147,909	475,475	1,093,614	10,371	0.870
1967	274,185	161,278	2,746,352	428,165	984,560	10,396	0.870
1966	266,477	140,949	2,609,949	409,854	943,552	10,399	0.869
1965	244,788	115,203	2,321,101	367,567	857,286	10,384	0.858

*Beginning in 1982, petroleum coke excluded from Coal.
**Excludes geothermal, wood, waste, and nuclear fuels.
†EEI estimate.
‡Beginning in 1980, Coal Equivalents are calculated on the basis of Btu instead of generation data.
Sources: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).
r Revised.

TABLE 26

CONSUMPTION OF FOSSIL FUELS FOR ELECTRIC GENERATION TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND KIND OF FUEL--YEAR 1985

Division/State	Coal (Thousand Short Tons)	Fuel Oil (Thousand 42-Gallon Barrels)	Gas (Million Cubic Feet)	Total Fossil Fuel in Coal Equivalents*† (Thousand Short Tons)	Net Generation by Fuels* (kWh in Millions)	Heat Rate† (Btu per kWh)	Lbs. of Coal per kWh†
Total United States	**693,841**	**173,414**	**3,044,083**	**926,793**	**1,794,276**	**10,426**	**0.990**
Maine	–	3,461	–	826	2,063	10,666	–
New Hampshire	1,433	2,363	–	1,999	5,059	10,602	0.776
Vermont	25	34	95	39	53	16,796	1.436
Massachusetts	3,863	24,467	45,161	11,525	29,927	10,107	0.730
Rhode Island	–	728	2,532	173	547	13,394	–
Connecticut	774	17,089	1,559	4,913	12,248	10,554	0.832
New England	**6,098**	**48,141**	**49,346**	**19,475**	**49,897**	**10,334**	**0.754**
New York	7,787	44,041	12,631	25,900	60,733	10,647	0.828
New Jersey	3,476	5,668	61,362	7,287	16,832	11,064	0.811
Pennsylvania	41,713	13,045	1,570	45,058	107,815	10,280	0.834
Middle Atlantic	**52,976**	**62,754**	**235,563**	**78,245**	**185,381**	**10,471**	**0.832**
Ohio	46,700	649	699	46,896	108,380	10,135	0.865
Indiana	38,310	414	1,117	38,475	78,056	10,416	0.985
Illinois	31,608	3,005	5,881	32,804	64,441	10,675	1.004
Michigan	25,896	1,163	10,126	26,370	60,152	10,170	0.875
Wisconsin	15,876	791	1,317	16,020	27,840	10,960	1.148
East North Central	**158,390**	**5,467**	**19,141**	**160,564**	**338,871**	**10,378**	**0.944**
Minnesota	11,496	49	1,275	11,588	18,553	10,948	1.246
Iowa	12,491	103	2,100	12,641	20,499	11,190	1.228
Missouri	22,779	219	1,466	22,910	46,312	10,336	0.988
North Dakota	17,354	74	2	17,387	19,898	11,416	1.746
South Dakota	2,407	40	26	2,429	2,521	12,081	1.916
Nebraska	6,380	62	1,284	6,472	10,359	10,966	1.247
Kansas	14,351	215	21,181	15,606	23,647	11,442	1.310
West North Central	**87,259**	**762**	**27,333**	**89,031**	**141,788**	**10,951**	**1.251**
Delaware	2,543	2,751	7,266	3,494	8,470	10,700	0.867
Maryland	7,046	5,961	1,372	8,606	20,835	10,390	0.800
District of Columbia	–	316	–	77	107	10,504	–
Virginia	7,166	1,641	1,528	7,632	18,962	10,202	0.805
West Virginia	31,367	369	122	31,459	79,166	9,739	0.795
North Carolina	19,610	443	595	19,736	51,099	9,637	0.771
South Carolina	7,888	184	483	7,950	19,943	10,049	0.796
Georgia	28,285	292	885	28,395	68,023	9,982	0.834
Florida	18,283	23,678	165,683	31,440	72,729	10,342	0.840
South Atlantic	**122,187**	**35,636**	**177,934**	**138,791**	**339,337**	**10,013**	**0.809**
Kentucky	27,085	270	1,121	27,202	60,106	10,425	0.905
Tennessee	20,853	237	–	20,912	50,370	9,812	0.830
Alabama	21,545	86	1,076	21,617	51,492	10,094	0.839
Mississippi	4,267	169	53,579	6,598	14,853	10,725	0.852
East South Central	**73,750**	**764**	**55,779**	**76,330**	**176,821**	**10,175**	**0.860**
Arkansas	12,302	21	11,411	13,017	21,241	10,514	1.214
Louisiana	8,760	191	285,039	26,623	41,804	10,759	1.254
Oklahoma	12,747	87	200,686	25,045	40,159	10,632	1.248
Texas	71,818	1,657	1,197,590	153,709	216,810	10,547	1.465
West South Central	**105,627**	**1,955**	**1,694,726**	**218,394**	**320,014**	**10,583**	**1.383**
Montana	5,480	38	468	5,526	6,539	11,222	1.295
Idaho	–	1	24	2	2	13,146	–
Wyoming	21,173	143	132	21,229	34,591	10,648	1.227
Colorado	14,295	121	4,913	14,565	26,484	10,865	1.094
New Mexico	14,498	86	28,133	16,066	26,980	10,879	1.195
Arizona	14,448	357	41,731	16,631	33,125	10,538	0.994
Utah	6,325	80	235	6,356	14,282	10,136	0.889
Nevada	5,427	104	8,080	5,832	12,401	10,811	0.932
Mountain	**81,647**	**931**	**83,716**	**86,207**	**156,405**	**10,701**	**1.101**
Washington	5,192	17	77	5,204	7,897	10,504	1.317
Oregon	418	3	–	419	586	11,141	1.412
California	–	4,925	666,274	46,958	67,185	10,773	–
Pacific	**5,611**	**4,944**	**666,351**	**52,580**	**75,668**	**10,748**	**1.324**
Alaska	296	994	34,194	2,820	3,537	12,649	2.000
Hawaii	–	11,047	–	4,357	6,558	10,474	–
Alaska & Hawaii	**296**	**12,040**	**34,194**	**7,177**	**10,095**	**11,227**	**2.000**

Note: Total may not equal sum of components due to independent rounding.

**Excludes geothermal, wood, waste, and nuclear fuels.*

†EEI estimate.

Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report (EIA-759).

TABLE 27

ANALYSIS OF FUEL FOR ELECTRIC GENERATION TOTAL ELECTRIC UTILITY INDUSTRY

FUEL BURNED UNDER BOILERS AND BY INTERA1L COMBUSTION ENGINES
1982-1985 BY GEOGRAPHIC DIVISION

		Composite Averages			Coal (a)			Oil (b)			Gas (c)		
Division	Year	Cost per Million Btu Consumed	Cost of Fuel per Net kWh	Btu per Net kWh	Cost per Million Btu Consumed	Cost per Ton	Btu per Pound	Cost per Million Btu Consumed	Cost per Bbl	Btu per Gallon	Cost per Million Btu Consumed	Cost per MCF	Btu per Cu Ft
United States	1985	217.7¢	2.27¢	10,429	173.1¢	$36.48	10,538	450.6¢	$28.22	149,116	343.2¢	355.44¢	1,036
	1984r	232.0	2.41	10,385	173.5	36.53	10,526	490.8	30.64	148,662	381.3	394.71	1,035
	1983	227.8	2.40	10,547	172.1	36.20	10,517	480.1	29.93	148,452	348.7	358.30	1,028
	1982	234.0	2.46	10,517	169.4	35.98	10,621	507.1	31.52	148,000	339.9	351.69	1,034
New England	1985	354.3	3.66	10,334	217.7	57.53	13,211	428.4	27.05	150,309	346.8	359.46	1,037
	1984r	399.7	4.08	10,219	220.5	56.28	13,153	472.3	29.65	149,502	406.9	427.19	1,050
	1983	390.2	4.03	10,330	235.7	62.19	13,153	443.3	27.81	149,381	395.3	414.65	1,049
	1982	411.3	4.21	10,236	247.2	63.56	12,854	463.4	28.94	148,703	404.9	425.05	1,050
Middle Atlantic	1985	254.7	2.67	10,471	171.5	42.43	12,371	454.5	28.38	148,656	381.3	394.00	1,033
	1984r	287.5	2.96	10,296	176.9	42.34	11,966	496.9	30.93	148,195	429.0	442.60	1,032
	1983	280.4	2.95	10,529	167.3	41.46	12,394	477.8	29.74	148,180	419.5	433.35	1,033
	1982	286.7	3.00	10,479	174.6	42.88	12,283	514.9	31.97	147,833	429.3	441.38	1,028
East North Central	1985	191.1	1.98	10,378	186.8	41.22	11,033	593.8	36.60	146,760	477.0	304.56	639
	1984r	191.5	1.98	10,329	185.4	41.00	11,058	617.5	38.60	148,825	464.7	338.94	729
	1983	193.5	2.00	10,361	183.7	40.70	11,079	711.9	44.41	148,543	475.2	356.47	750
	1982	193.6	2.03	10,522	181.1	40.19	11,093	691.0	43.01	148,211	407.7	351.90	863
West North Central	1985	145.5	1.59	10,951	142.7	24.90	8,723	528.1	30.95	139,537	303.2	295.90	976
	1984r	149.0	1.62	10,887	144.3	25.72	8,910	568.8	33.29	139,331	332.9	325.77	991
	1983	152.9	1.64	10,747	146.9	25.60	8,711	449.4	25.98	137,616	316.3	308.51	991
	1982	141.0	1.56	11,079	134.0	24.20	9,029	509.5	27.46	142,276	262.9	259.18	985
South Atlantic	1985	217.0	2.17	10,013	195.0	47.94	12,290	422.7	26.56	149,628	329.0	332.14	1,010
	1984r	225.1	2.24	9,958	193.6	47.45	12,256	461.0	28.86	149,055	346.6	349.84	1,009
	1983	230.8	2.42	10,504	195.0	48.05	12,320	439.7	27.60	149,464	266.9	268.88	1,007
	1982	230.0	2.31	10,072	193.1	46.80	12,119	446.7	27.94	148,902	221.7	224.22	1,011
East South Central	1985	185.8	1.89	10,175	182.3	43.10	11,817	595.6	35.61	142,358	276.6	287.64	1,040
	1984r	187.2	1.90	10,160	183.5	43.22	11,777	619.8	37.61	144,479	259.9	272.72	1,029
	1983	191.9	1.93	10,064	187.2	43.29	11,559	569.4	33.15	138,606	308.6	317.85	1,029
	1982	195.7	1.99	10,172	188.1	44.22	11,750	530.9	32.91	147,610	295.4	302.62	1,024
West South Central	1985	240.6	2.55	10,583	168.2	26.66	7,923	457.4	28.96	150,737	304.9	316.80	1,039
	1984r	275.8	2.90	10,517	182.2	28.74	7,887	472.3	28.45	143,432	344.7	357.27	1,036
	1983	249.0	2.66	10,672	176.0	27.88	7,920	363.3	21.05	137,927	305.8	315.13	1,031
	1982	248.8	2.65	10,649	156.2	24.19	7,739	478.9	28.30	140,731	297.2	308.40	1,037
Mountain	1985	134.2	1.44	10,733	120.8	23.52	9,735	516.3	31.18	143,759	359.4	372.94	1,038
	1984r	125.4	1.36	10,810	112.8	21.84	9,683	518.4	31.14	143,031	442.2	474.42	1,073
	1983	120.6	1.33	11,057	107.7	21.28	9,874	516.8	31.23	143,893	390.4	368.77	945
	1982	123.7	1.36	11,051	104.4	20.49	9,808	512.3	30.87	143,486	358.2	368.61	1,028
Pacific	1985	420.6	4.52	10,748	161.2	25.05	7,771	552.8	33.93	146,122	446.5	468.67	1,050
	1984r	470.2	5.17	11,002	157.5	24.86	7,893	587.1	36.14	146,573	507.6	533.16	1,050
	1983	491.9	5.44	11,063	149.3	22.79	7,636	761.2	47.21	147,656	510.8	534.35	1,046
	1982	506.4	5.50	10,871	121.5	19.65	8,038	743.3	44.61	142,911	501.1	526.18	1,050
Alaska	1985	133.0	1.68	12,649	180.3	28.58	7,927	550.1	31.44	136,089	69.9	70.19	1,004
	1984r	127.5	1.64	12,835	179.8	28.30	7,872	613.8	31.94	123,874	77.3	77.60	1,004
	1983	280.6	3.61	12,848	174.5	27.26	7,811	687.8	37.11	128,465	137.0	136.98	1,000
	1982	116.6	1.76	15,135	132.5	20.30	7,658	549.5	27.64	135,550	79.2	79.20	1,000
Hawaii	1985	491.6	5.15	10,474	–	–	–	491.6	30.74	148,869	–	–	–
	1984	546.6	5.75	10,517	–	–	–	546.6	34.25	149,196	–	–	–
	1983	547.4	5.73	10,468	–	–	–	547.4	34.24	148,933	–	–	–
	1982	661.9	6.97	10,529	–	–	–	661.9	41.53	149,453	–	–	–

r Revised.
(a) Coal includes bituminous and anthracite coal and relatively small amounts of lignite. Beginning 1984 coal excludes petroleum coke, and beginning 1985 excludes wood.
(b) Oil includes fuel oil, crude oil, and small amounts of tar and gasoline. Beginning 1984 oil includes petroleum coke.
(c) Gas includes natural and manufactured gas and waste gas.

TABLE 28

ANALYSIS OF FUEL FOR ELECTRIC GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

FUEL BURNED UNDER BOILERS AND BY INTERNAL COMBUSTION ENGINES
BY STATE—YEAR 1985

	Composite Averages			Coal (a)			Oil (b)			Gas (c)		
Division/State	Cost per Million Btu Consumed	Cost of Fuel per Net kWh	Btu per Net kWh	Cost per Million Btu Consumed	Cost per Ton	Btu per Pound	Cost per Million Btu Consumed	Cost per Bbl	Btu per Gallon	Cost per Million Btu Consumed	Cost per MCF	Btu per Cu Ft
Total United States	**217.7¢**	**2.27¢**	**10,429**	**173.1¢**	**$36.48**	**10,538**	**450.6¢**	**$28.22**	**149,116**	**343.2¢**	**355.44¢**	**1,036**
Maine	431.7	4.60	10,666	–	–	–	431.7	27.21	150,068	–	–	–
New Hampshire	268.2	2.84	10,602	220.8	59.44	13,459	387.9	25.02	153,544	–	–	–
Vermont	330.4	5.55	16,796	226.8	57.74	12,729	679.8	39.00	136,585	485.0	485.00	1,000
Massachusetts	344.4	3.48	10,107	212.3	55.71	13,119	431.4	27.19	150,061	347.3	360.09	1,037
Rhode Island	403.9	5.41	13,394	–	–	–	441.0	27.62	149,109	337.6	350.12	1,037
Connecticut	397.1	4.19	10,554	238.3	63.05	13,228	428.4	27.05	150,336	338.7	349.16	1,031
New England	**354.3**	**3.66**	**10,334**	**217.7**	**57.53**	**13,211**	**428.4**	**27.05**	**150,309**	**346.8**	**359.46**	**1,037**
New York	348.5	3.71	10,647	181.5	45.47	12,523	450.5	28.18	148,939	373.6	385.58	1,032
New Jersey	323.7	3.58	11,064	204.3	53.24	13,031	473.3	29.80	149,927	402.0	416.66	1,037
Pennsylvania	188.5	1.94	10,280	166.8	41.01	12,291	460.1	28.43	147,153	426.8	438.31	1,027
Middle Atlantic	**254.7**	**2.67**	**10,471**	**171.5**	**42.43**	**12,371**	**454.5**	**28.38**	**148,656**	**381.3**	**394.00**	**1,033**
Ohio	177.2	1.80	10,135	176.2	41.31	11,724	573.1	34.32	142,598	466.5	476.69	1,022
Indiana	168.3	1.75	10,416	167.5	35.63	10,636	589.7	33.85	136,673	424.0	426.44	1,006
Illinois	234.1	2.50	10,675	222.3	46.82	10,531	617.7	39.31	151,525	525.5	541.14	1,030
Michigan	203.1	2.07	10,170	196.8	46.44	11,797	550.7	32.32	139,725	463.9	198.02	427
Wisconsin	182.4	2.00	10,960	180.0	35.10	9,748	542.8	31.87	139,777	412.4	413.41	1,002
East North Central	**191.1**	**1.98**	**10,378**	**186.8**	**41.22**	**11,033**	**593.8**	**36.60**	**146,760**	**477.0**	**304.56**	**639**
Minnesota	147.7	1.62	10,948	146.0	25.40	8,702	500.7	29.30	139,333	378.1	378.57	1,001
Iowa	155.5	1.74	11,190	153.2	27.76	9,059	585.4	33.93	138,010	363.9	368.21	1,012
Missouri	167.7	1.73	10,336	167.0	35.08	10,503	547.2	32.05	139,468	308.4	306.79	995
North Dakota	89.2	1.02	11,416	88.9	11.63	6,544	349.1	20.15	137,411	445.2	500.00	1,123
South Dakota	123.6	1.49	12,081	120.3	15.11	6,280	635.5	37.50	140,491	437.6	429.01	980
Nebraska	124.6	1.37	10,968	122.3	21.10	8,630	526.3	30.15	136,412	312.2	301.43	965
Kansas	154.8	1.77	11,442	144.9	25.23	8,708	513.3	30.62	142,031	291.0	282.48	971
West North Central	**145.5**	**1.59**	**10,951**	**142.7**	**24.90**	**8,723**	**528.1**	**30.95**	**139,537**	**303.2**	**295.90**	**976**
Delaware	250.4	2.68	10,700	181.7	51.17	12,860	373.1	23.40	149,300	368.2	365.67	993
Maryland and D.C.	236.3	2.46	10,426	187.7	47.20	12,575	451.2	28.53	150,537	365.2	382.48	1,047
Virginia	206.8	2.11	10,202	191.8	48.70	12,697	475.5	29.73	148,854	390.1	403.68	1,035
West Virginia	170.9	1.66	9,739	170.3	41.95	12,321	631.2	36.74	138,580	–	–	–
North Carolina	201.7	1.94	9,637	200.3	50.03	12,490	554.7	32.24	138,367	407.3	421.99	1,036
South Carolina	193.5	1.94	10,049	191.7	48.26	12,589	587.0	34.31	139,160	511.7	527.36	1,031
Georgia	198.8	1.98	9,982	197.9	47.43	11,985	554.0	32.58	140,017	436.2	448.20	1,028
Florida	289.8	3.00	10,342	233.8	56.22	12,021	414.0	26.05	149,804	324.9	328.05	1,010
South Atlantic	**217.0**	**2.17**	**10,013**	**195.0**	**47.94**	**12,290**	**422.7**	**26.56**	**149,628**	**329.0**	**332.14**	**1,010**
Kentucky	156.7	1.63	10,425	156.4	36.28	11,596	574.8	33.34	138,110	381.8	389.90	1,021
Tennessee	163.0	1.60	9,812	162.8	38.46	11,812	400.9	23.59	140,126	345.5	360.00	1,042
Alabama	216.3	2.18	10,094	215.9	51.90	12,021	519.3	30.00	137,530	315.9	360.16	1,140
Mississippi	265.6	2.85	10,725	256.6	62.36	12,149	718.8	44.04	145,889	275.1	285.50	1,038
East South Central	**185.8**	**1.89**	**10,175**	**182.3**	**43.10**	**11,817**	**595.6**	**35.61**	**142,358**	**276.6**	**287.64**	**1,040**
Arkansas	187.1	1.97	10,514	181.3	30.86	8,512	681.1	40.80	142,624	273.3	288.61	1,056
Louisiana	253.7	2.73	10,759	216.5	36.34	8,394	497.8	30.21	144,496	269.7	282.60	1,048
Oklahoma	233.0	2.48	10,632	175.9	30.04	8,539	401.3	23.44	139,062	292.5	305.37	1,044
Texas	244.8	2.58	10,547	157.6	24.09	7,640	445.3	28.47	152,245	315.7	327.08	1,036
West South Central	**240.6**	**2.55**	**10,583**	**168.2**	**26.66**	**7,923**	**457.4**	**28.96**	**150,737**	**304.9**	**316.80**	**1,039**
Montana	71.9	0.81	11,222	71.2	12.30	8,634	584.7	34.63	141,000	94.3	113.01	1,199
Idaho	472.4	6.21	13,146	–	–	–	262.6	15.45	140,045	552.6	571.43	1,048
Wyoming	99.0	1.05	10,648	98.3	17.08	8,690	608.3	35.67	139,610	441.3	461.16	1,039
Colorado	121.4	1.32	10,865	117.0	23.01	9,833	554.1	32.01	137,554	364.5	342.56	940
New Mexico	138.0	1.50	10,879	112.5	20.88	9,282	498.2	28.83	137,753	353.0	359.14	1,017
Arizona	181.4	1.91	10,538	150.8	31.95	10,597	515.3	31.78	146,834	359.5	379.56	1,056
Utah	134.8	1.41	10,472	133.2	31.38	11,779	534.3	32.13	143,177	417.3	449.04	1,076
Nevada	184.0	1.99	10,811	169.8	38.70	11,398	387.6	23.43	143,904	394.2	419.53	1,064
Mountain	**134.2**	**1.44**	**10,733**	**120.8**	**23.52**	**9,735**	**516.3**	**31.18**	**143,759**	**359.4**	**372.94**	**1,038**
Washington	157.2	1.65	10,504	156.5	24.21	7,734	587.5	34.60	140,210	374.0	378.31	1,012
Oregon	220.7	2.46	11,141	220.5	36.50	8,279	539.1	31.43	138,800	–	–	–
California	451.6	4.86	10,773	–	–	–	552.7	33.92	146,139	446.5	468.69	1,050
Pacific	**420.6**	**4.52**	**10,748**	**161.2**	**25.05**	**7,771**	**552.8**	**33.93**	**146,122**	**446.5**	**468.67**	**1,050**
Alaska	133.0	1.68	12,649	180.3	28.58	7,927	550.1	31.44	136,089	69.9	70.19	1,004
Hawaii	491.6	5.15	10,474	–	–	–	491.6	30.74	148,869	–	–	–
Alaska & Hawaii	**351.8**	**3.95**	**11,227**	**180.3**	**28.58**	**7,927**	**495.4**	**30.79**	**147,973**	**69.9**	**70.19**	**1,004**

See page 35 for footnotes

TABLE 29

AVERAGE COST OF FOSSIL FUELS DELIVERED TO STEAM-ELECTRIC UTILITY PLANTS

BY YEARS
(CENTS PER MILLION BTU)

Year	Coal	Residual Oil*	Natural Gas**	All Fossil Fuels**
1985	164.9	424.6	343.2	209.7
1984	166.4	481.2	358.3	219.2
1983	165.6	457.8	347.4	220.6
1982	164.7	483.2	337.6	224.9
1981	153.2	533.4	280.5	225.6
1980	135.1	426.7	219.9	192.8

**Residual fuel oil prices include Fuel Oil No. 4, No. 5, No. 6, and topped crude fuel oil prices. The weighted average for all fossil fuels includes both residual fuel oil prices and light oil (Fuel Oil No. 2, kerosene, and jet fuel) prices.*

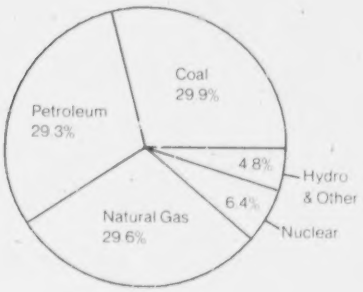
***Includes small quantities of coke oven gas, refinery gas and blast furnace gas.*

Source: U.S. Department of Energy, Energy Information Administration, Monthly Energy Review.

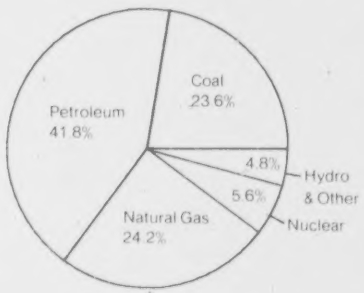
ENERGY
SECTION V

CHART V-A
ENERGY PRODUCTION AND CONSUMPTION
BY PRIMARY ENERGY SOURCE

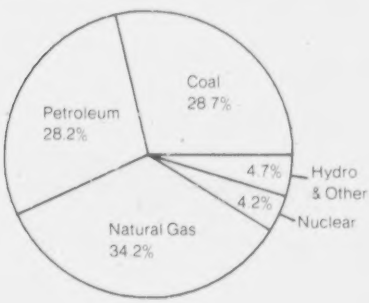
1985 Production
Total BTU's=64.841 Quads



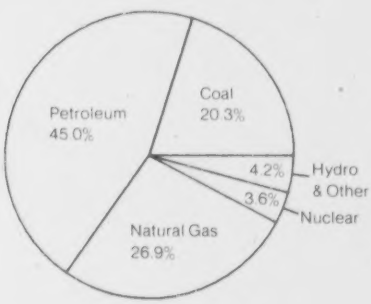
1985 Consumption
Total BTU's=73.952 Quads



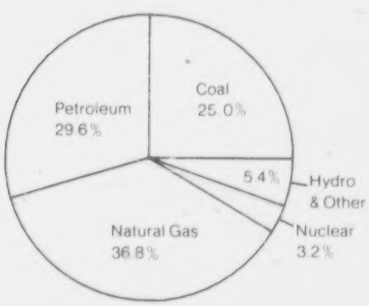
1980 Production
Total BTU's=64.761 Quads



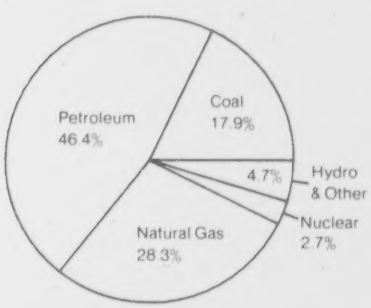
1980 Consumption
Total BTU's=75.952 Quads



1975 Production
Total BTU's=59.860 Quads



1975 Consumption
Total BTU's=70.546 Quads



Source: U.S. Department of Energy, Energy Information Administration, Monthly Energy Review April, 1986.

TABLE 31
ENERGY SUPPLY AND DISPOSITION BALANCE BY YEARS
(QUADRILLION BTU)

	1985p	1984r	1983	1982	1981	1980	1979	1978	1977	1976	1975
SUPPLY											
Production											
Crude Oil & Lease Condensate	18.88	18.85	18.39	18.31	18.15	18.25	18.10	18.43	17.45	17.26	17.73
Natural Gas Plant Liquids	2.26	2.27	2.18	2.19	2.31	2.25	2.29	2.25	2.33	2.33	2.37
Natural Gas	16.89	17.93	16.53	18.25	19.70	19.91	20.08	19.49	19.57	19.48	19.64
Coal	19.39	19.72	17.25	18.64	18.38	18.60	17.54r	14.91	15.76	15.65r	14.99r
Nuclear	4.14	3.54	3.20	3.13	3.01	2.74	2.78	3.02	2.70	2.11	1.90
Hydro	2.95	3.36	3.50	3.26	2.76	2.90	2.93	2.94	2.33	2.98	3.15
Other	0.21	0.17	0.13	0.11	0.13	0.11	0.09	0.07	0.08	0.08	0.07
Total Production	**64.73**	**65.85**	**61.19r**	**63.89**	**64.42**	**64.76**	**63.80r**	**61.10r**	**60.22**	**59.89r**	**59.86r**
Imports											
Crude Oil	6.83	7.30	7.08	7.42	9.34	11.19	13.83	13.46	14.03	11.24	8.72
Refined Petroleum Products	3.72	4.13	3.57	3.36	3.30	3.46	4.11	4.36	4.73	4.43	4.23
Natural Gas	0.93	0.85	0.94	0.95	0.92	1.01	1.30	0.99	1.04	0.99	0.98
Other	0.52	0.48	0.44	0.36	0.42	0.31	0.38	0.44	0.30	0.18	0.19
Total Imports	**12.01**	**12.76**	**12.03**	**12.09**	**13.97**	**15.97**	**19.62**	**19.25**	**20.09**	**16.84**	**14.11**
Adjustments	1.32	(0.70)	1.00	(0.51)	(0.08)	(1.05)	(1.65)r	(0.34)	(1.95)	(0.18)	(1.07)
Total Supply	**78.06**	**77.91**	**74.22**	**75.47**	**78.32**	**79.68**	**81.77**	**80.02**	**78.36**	**76.55**	**72.91**
DISPOSITION											
Exports											
Coal	2.44	2.15	2.04	2.79	2.94	2.42	1.75	1.08	1.44	1.60	1.76
Other	1.78	1.65	1.68	1.84	1.38	1.30	1.11	0.86	0.63	0.59	0.60
Total Exports	**4.22**	**3.80**	**3.72**	**4.63**	**4.33**	**3.72**	**2.87**	**1.93**	**2.07**	**2.19**	**2.36**
Consumption											
Refined Petroleum Products	30.85	31.05	30.05	30.23	31.93	34.20	37.12	37.97	37.12	35.17	32.73
Natural Gas	17.76	18.51	17.36	18.51	19.93	20.39	20.67	20.00	19.93	20.35	19.95
Coal	17.50	17.07	15.90	15.32	15.91	15.42r	15.04	13.77	13.92	13.58r	12.66r
Nuclear	4.14	3.54	3.20	3.13	3.01	2.74	2.78	3.02	2.70	2.11	1.90
Hydro	3.38	3.77	3.87	3.56	3.11	3.12	3.14	3.14	2.51	3.07	3.22
Other'	0.20	0.16	0.12	0.09	0.11	0.08	0.15	0.19	0.10	0.08	0.09
Total Consumption	**73.83**	**74.11**	**70.50**	**70.84**	**73.99**	**75.96**	**78.90**	**78.09**	**76.29**	**74.36r**	**70.55**
Total Disposition	**78.06**	**77.91**	**74.22**	**75.47**	**78.32**	**79.68**	**81.77**	**80.02**	**78.36**	**76.55**	**72.91**

	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965
SUPPLY										
Production										
Crude Oil & Lease Condensate	18.57	19.49	20.04	20.03	20.40	19.56	19.31	18.65	17.56	16.52
Natural Gas Plant Liquids	2.47	2.57	2.60	2.54	2.51	2.42	2.32	2.18	2.00	1.88
Natural Gas	21.21	22.19	22.21	22.28	21.67	20.45	19.07	17.94	17.01	15.78
Coal	14.07r	13.99r	14.09r	13.19r	14.61	13.86r	13.61r	13.83r	13.47r	13.06r
Nuclear	1.27	0.91	0.58	0.41	0.24	0.15	0.14	0.09	0.06	0.04
Hydro	3.18	2.86	2.86	2.82	2.63	2.65	2.35	2.35	2.06	2.06
Other	0.06	0.05	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01
Total Production	**60.84**	**62.06r**	**62.42r**	**61.29r**	**62.07r**	**59.10r**	**56.81r**	**55.04r**	**52.17r**	**49.34r**
Imports										
Crude Oil	7.40	6.89	4.71	3.57	2.81	2.99	2.76	2.40	2.62	2.65
Refined Petroleum Products	5.73	6.58	5.59	4.97	4.66	3.91	3.46	3.15	3.01	2.75
Natural Gas	0.99	1.06	1.05	0.96	0.85	0.75	0.67	0.58	0.50	0.47
Other	0.30	0.21r	0.11	0.08	0.07	0.06	0.05	0.05	0.05	0.04
Total Imports	**14.41**	**14.73**	**11.46**	**9.58**	**8.39**	**7.71**	**6.93**	**6.19**	**6.18**	**5.92**
Adjustments	(0.48)	(0.46)	(0.48)	(0.82)	(1.37)	(0.47)	(0.71)	(1.52)r	(0.83)r	(0.72)r
Total Supply	**74.77**	**76.33r**	**73.40r**	**70.06r**	**69.10**	**66.34r**	**63.03r**	**59.71r**	**57.52r**	**54.54r**
DISPOSITION										
Exports										
Coal	1.62	1.43	1.53	1.55	1.94	1.53	1.38	1.35	1.35	1.38
Other	0.60	0.63	0.61	0.63	0.73	0.62	0.65	0.79	0.50	0.48
Total Exports	**2.22**	**2.05**	**2.14**	**2.18**	**2.66**	**2.15**	**2.03**	**2.15**	**1.85**	**1.85r**
Consumption										
Refined Petroleum Products	33.45	34.84	32.95	30.56	29.52	28.34	26.98	25.28	24.40	23.25
Natural Gas	21.73	22.51	22.70	22.47	21.79	20.68	19.21	17.94	17.00	15.77
Coal	12.66r	12.97r	12.08r	11.60r	12.26r	12.38r	12.33r	11.91r	12.14r	11.58r
Nuclear	1.27	0.91	0.58	0.41	0.24	0.15	0.14	0.09	0.06	0.04
Hydro	3.31	3.01	2.94	2.86	2.65	2.66	2.34	2.34	2.07	2.06
Other'	1.12	0.04	0.01	(0.02)	(0.04)	(0.02)	*	(0.01)	(0.02)	(0.01)
Total Consumption	**72.54r**	**74.28r**	**71.26r**	**67.89r**	**66.43r**	**64.19r**	**61.00r**	**57.57r**	**55.66r**	**52.68r**
Total Disposition	**74.77**	**76.33r**	**73.40r**	**70.06r**	**69.10**	**66.34r**	**63.03r**	**59.71r**	**57.52r**	**54.54r**

Source: U.S. Department of Energy, Energy Information Administration, Annual Energy Review 1985
* Less than .005 Quadrillion BTU
( ) Denotes negative figure. p Preliminary r Revised.
Note: Total may not equal sum of components due to independent rounding.

TABLE 32
ANNUAL PRODUCTION OF ENERGY RESOURCES BY YEARS
(QUADRILLION BTU)

Year	Coal	Natural Gas	Natural Gas Plant Liquids	Petroleum**	Hydro	Nuclear	Other†	Total
1985p	**19.39**	**16.89**	**2.26**	**18.88**	**2.95**	**4.14**	**0.21**	**64.73**
1984r	19.72	17.93	2.27	18.85	3.36	3.54	0.17	65.85
1983	17.25	16.53	2.18	18.39	3.50	3.20	0.13	61.19r
1982	18.64	18.25	2.19	18.31	3.26	3.13	0.10	63.89
1981	18.38	19.70	2.31	18.15	2.76	3.01	0.12	64.42
1980	18.60	19.91	2.25	18.25	2.90	2.74	0.11	64.76
1979	17.54r	20.08	2.29	18.10	2.93	2.78	0.09	63.80r
1978	14.91	19.49	2.25	18.43	2.94	3.02	0.06	61.10r
1977	15.76	19.57	2.33	17.45	2.33	2.70	0.09	60.22
1976	15.65r	19.48	2.33	17.26	2.98	2.11	0.08	59.89r
1975	14.99r	19.64	2.37	17.73	3.15	1.90	0.07	59.86r
1974	14.07r	21.21	2.47	18.57	3.18	1.27	0.05	60.84
1973	13.99r	22.19	2.57	19.49	2.86	0.91	0.04	62.06r
1972	14.09	22.21	2.60	20.04	2.86	0.58	0.03	62.42
1971	13.19r	22.28	2.54	20.03	2.82	0.41	0.01	61.29r
1970	14.61	21.67	2.51	20.40	2.63	0.24	0.01	62.07r
1969	13.86r	20.45	2.42	19.56	2.65	0.15	0.01	59.10r
1968	13.61r	19.07	2.32	19.31	2.35	0.14	0.01	56.81r
1967	13.83r	17.94	2.18	18.65	2.35	0.09	0.01	55.04r
1966	13.47r	17.01	2.00	17.56	2.06	0.06	‡	52.17r
1965	13.06r	15.78	1.88	16.52	2.06	0.04	‡	49.34r

Note: Total may not equal sum of components due to independent rounding.
**Dry market natural gas.*
***Crude oil and lease condensate.*
†Includes geothermal, wood, waste, wind and solar.
‡Less than .005 Quadrillion BTU.
p Preliminary r Revised.
Source: U.S. Department of Energy, Energy Information Administration: Annual Energy Review 1985

TABLE 33
TOTAL ENERGY CONSUMPTION BY YEARS
(QUADRILLION BTU)

Year	Coal	Natural Gas (Dry)	Petroleum*	Hydro	Nuclear	Other**	Total
1985p	**17.50**	**17.76**	**30.85**	**3.38**	**4.14**	**0.20**	**73.83**
1984r	17.07	18.51	31.05	3.77	3.54	0.16	74.11
1983	15.90	17.36	30.05	3.87	3.20	0.12r	70.50
1982	15.32	18.51	30.23	3.56	3.13	0.08	70.84
1981	15.91	19.93	31.93	3.11	3.01	0.11r	73.99
1980	15.42r	20.39	34.20	3.12	2.74	0.08r	75.96
1979	15.04	20.67	37.12	3.14	2.78	0.15	78.90
1978	13.77	20.00	37.97	3.14	3.02	0.19r	78.09
1977	13.92	19.93	37.12	2.51	2.70	0.10	76.29
1976	13.58r	20.35	35.17	3.07	2.11	0.08	74.36r
1975	12.66r	19.95	32.73	3.22	1.90	0.09r	70.55
1974	12.66r	21.73	33.45	3.31	1.27	0.11	72.54r
1973	12.97r	22.51	34.84	3.01	0.91	0.04r	74.28r
1972	12.08	22.70	32.95	2.94	0.58	0.01r	71.26r
1971	11.60r	22.47	30.56	2.86	0.41	(0.02)	67.89r
1970	12.26r	21.79	29.52	2.65	0.24	(0.04)r	66.43r
1969	12.38r	20.68	28.34	2.66	0.15	(0.02)r	64.19r
1968	12.33r	19.21	26.98	2.34	0.14	0.00r	61.00r
1967	11.91r	17.94	25.28	2.34	0.09	0.00r	57.57r
1966	12.14r	17.00	24.40	2.07	0.06	(0.02)	55.66r
1965	11.58r	15.77	23.25	2.06	0.04	(0.02)	52.68r

Note: Total may not equal sum of components due to independent rounding.
** Refined pretroleum products supplied including natural gas plant liquids and crude oil burned as fuel.*
*** Includes geothermal, wood, waste, net imports of coal coke, wind and solar.*
( ) Denotes negative figure.
p Preliminary r Revised.
Source: U.S. Department of Energy, Energy Information Administration. Annual Energy Review 1985

TABLE 34

ANNUAL CONSUMPTION OF FOSSIL ENERGY RESOURCES

BY KIND OF FUEL, BY SECTOR*

(QUADRILLION BTU)

	1985p	1984r	1983	1982	1981	1980
Coal						
Residential & Commercial	0.18	0.21	0.20	0.19	0.17	0.15
Industrial	2.76	2.84	2.49	2.55	3.16	3.16
Transportation	**	**	**	**	**	**
Electric Utilities	14.55	14.02	13.21	12.58	12.58	12.12
Total	17.49	17.07	15.90	15.32	15.91	15.42r
Natural Gas (Dry)						
Residential & Commercial	7.05	7.29	7.03r	7.43	7.24	7.54
Industrial	7.09	7.45	6.82	7.12	8.26	8.39
Transportation	0.52	0.55	0.50	0.61	0.66	0.65
Electric Utilities	3.15	3.22	3.00	3.34	3.77	3.81
Total	17.82	18.51	17.35	18.51	19.93	20.39
Petroleum						
Residential & Commerical	2.58	2.58	2.50r	2.45	2.63	3.04
Industrial	7.70	7.89	7.42r	7.80	8.30	9.52
Transportation	19.55	19.30	18.59r	18.42	18.80	19.01
Electric Utilities	1.09	1.29	1.54	1.57	2.20	2.63
Total	30.92	31.05	30.05	30.23	31.93	34.20

Note: Total may not equal sum of components due to independent rounding.

**Sector data excludes electricity sales and energy losses attributed to electric generation.*

***Since 1976 the amount of coal consumed by the transportation sector has been negligible.*

p Preliminary. Total consumption by fuels will not agree with Energy Supply and Disposition Balance (Table 31) and Total Energy Consumption (Table 33) due to data revisions.

r Revised.

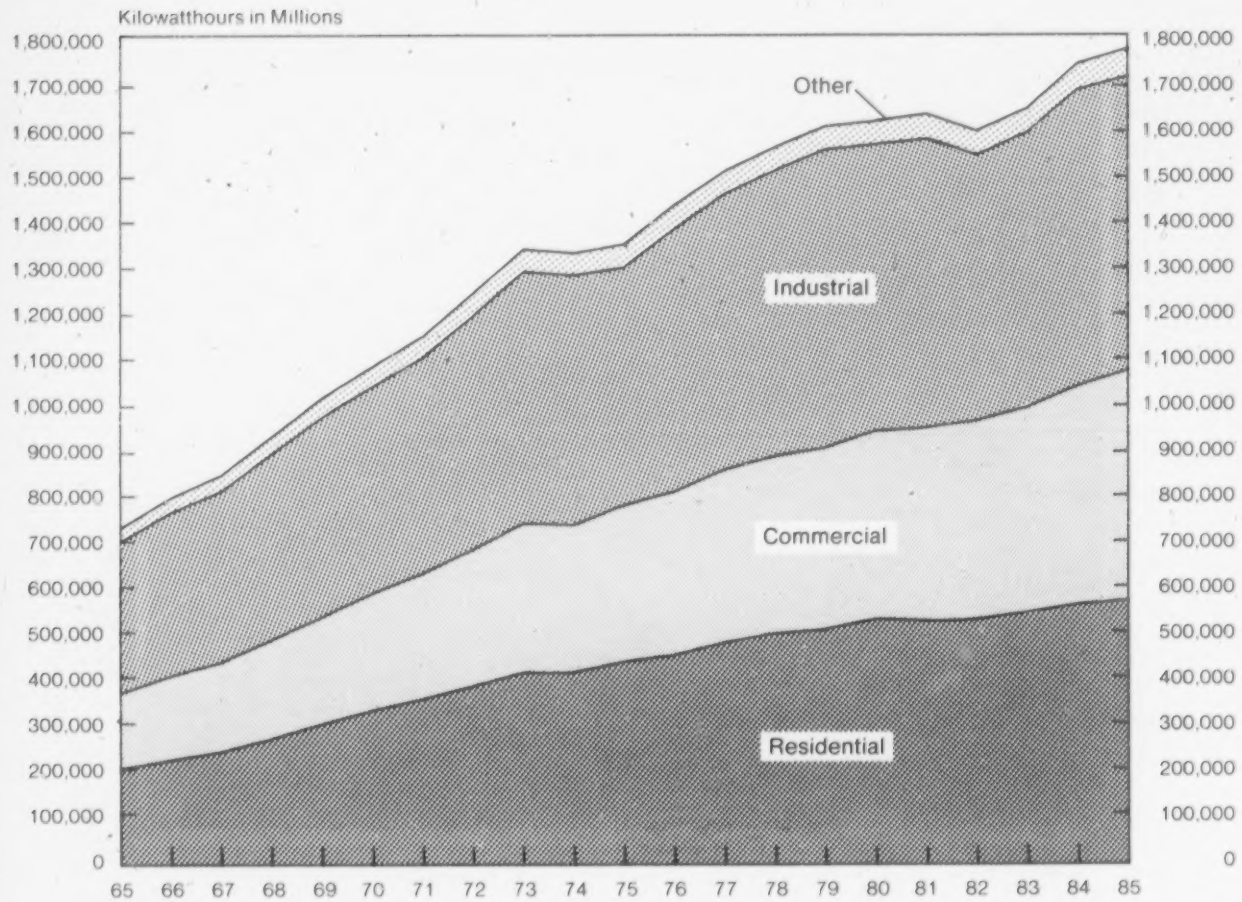
Source: U.S. Department of Energy, Energy Information Administration, Monthly Energy Review.

ENERGY SALES
SECTION VI

CHART VI-A

SALES TO ULTIMATE CUSTOMERS

INVESTOR-OWNED UTILITIES



Based on Table 39, page 44

TABLE 38

ENERGY SALES
TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE
KILOWATTHOURS IN MILLIONS

Year	Total Sales	Exports to Canada and Mexico	Total Sales to Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Interdepartmental
1985p	**2,319,971**	**4,965**	**2,315,006**	**797,010**	**608,480**	**821,990**	**13,954**	**63,122**	**4,697**	**5,753**
1984r	2,283,143	2,558	2,280,585	782,608	578,083	835,486	14,205	59,894	4,483	5,826
1983	2,163,124	3,337	2,159,787	750,293	545,601	782,984	13,944	57,267	4,300	5,398
1982	2,103,281	3,540	2,099,741	732,678	516,959	770,398	14,236	55,745	4,288	5,438
1981	2,152,506	1,832	2,150,674	730,479	521,698	819,641	14,683	53,737	4,206	6,230
1980	2,130,190	4,096	2,126,094	734,411	524,122	793,812	14,832	48,284	4,275	6,358
1979	2,086,582	2,182	2,084,400	695,996	494,723	817,617	14,792	49,604	4,256	7,412
1978	2,020,004	2,186	2,017,818	679,156	480,748	782,141	14,803	49,509	4,336	7,125
1977	1,953,535	2,744	1,950,791	652,345	469,227	757,168	14,418	46,242	4,212	7,179
1976	1,852,003	2,378	1,849,625	613,072	440,625	725,169	14,413	45,625	4,338	6,383
1975	1,738,107	5,083	1,733,024	586,149	418,069	661,558	13,907	43,625	4,273	5,443
1974	1,703,495	2,726	1,700,769	554,960	392,716	689,435	13,313	40,721	4,258	5,366
1973	1,705,773	2,570	1,703,203	554,171	396,903	687,235	12,836	42,340	4,186	5,532
1972	1,580,466	2,752	1,577,714	511,423	361,859	639,467	12,193	43,190	4,440	5,142
1971	1,469,955	3,514	1,466,441	479,080	333,752	592,700	11,673	39,819	4,537	4,880
1970	1,395,568	4,209	1,391,359	447,795	312,750	572,522	11,183	37,816	4,633	4,660
1969	1,311,008	3,830	1,307,178	407,922	286,686	557,220	10,772	35,861	4,531	4,186
1968	1,206,606	4,285	1,202,321	367,692	265,151	518,834	10,302	32,162	4,540	3,640
1967	1,111,373	4,350	1,107,023	331,525	242,492	496,043	9,863	29,426	4,572	3,102
1966	1,042,158	3,176	1,038,982	306,572	225,878	465,077	9,240	25,922	4,514	1,779
1965	957,113	3,699	953,414	280,970	202,112	433,365	8,782	21,675	4,652	1,858

Note: Total may not equal sum of components due to independent rounding.
**Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*
p Preliminary. r Revised.

TABLE 39

ENERGY SALES
INVESTOR-OWNED ELECTRIC UTILITIES

BY YEAR AND CLASS OF SERVICE
KILOWATTHOURS IN MILLIONS

Year	Total Sales	Sales for Resale†	Total Sales to Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Interdepartmental
1985p	**1,872,678**	**102,773**	**1,769,905**	**573,564**	**498,502**	**638,605**	**10,341**	**43,565**	**2,252**	**3,078**
1984r	1,841,195	104,168	1,737,027	563,703	473,470	643,466	10,379	40,760	2,045	3,204
1983	1,749,915	109,540	1,640,375	546,080	445,300	597,405	10,445	36,396	1,929	2,820
1982	1,701,020	109,796	1,591,224	530,713	431,598	576,380	10,716	36,967	1,924	2,925
1981	1,745,234	116,248	1,628,986	527,119	420,014	628,481	10,918	37,623	1,939	2,892
1980	1,732,553	118,745	1,613,808	532,025	408,265	623,472	10,820	34,449	2,156	2,621
1979	1,719,640	117,408	1,602,232	509,655	394,511	648,031	10,854	34,165	2,103	2,913
1978	1,675,477	118,716	1,556,761	501,409	384,726	620,470	11,042	34,386	2,085	2,643
1977	1,619,820	115,409	1,504,411	481,167	375,903	598,042	10,912	33,208	2,450	2,729
1976	1,530,286	99,496	1,430,790	453,774	355,555	569,134	11,276	34,810	3,930	2,311
1975	1,447,147	101,273	1,345,874	439,496	340,082	515,798	10,868	33,528	4,158	1,944
1974	1,418,958	93,201	1,325,757	416,333	319,706	542,234	10,409	30,876	4,161	2,038
1973	1,417,386	82,990	1,334,396	416,851	323,018	545,912	10,034	32,452	4,086	2,043
1972	1,316,379	76,572	1,239,807	386,561	297,028	507,080	9,581	33,491	4,333	1,733
1971	1,215,614	70,009	1,145,605	358,564	272,703	468,512	9,206	30,618	4,424	1,578
1970	1,142,777	63,032	1,079,745	333,895	254,684	447,664	8,814	28,721	4,520	1,447
1969	1,070,721	58,641	1,012,080	304,497	232,965	433,422	8,441	26,928	4,417	1,410
1968	984,542	55,572	928,970	272,792	215,090	403,468	8,089	23,908	4,424	1,199
1967	890,755	45,334	845,421	244,416	194,772	371,319	7,695	21,726	4,445	1,048
1966	840,093	43,776	796,317	226,727	182,923	354,759	7,299	19,427	4,403	779
1965	770,804	39,471	731,333	207,580	164,354	329,541	6,943	17,683	4,543	689

Note: Total may not equal sum of components due to independent rounding.
† To non-investor-owned electric utilities and exports.
** Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*
p Preliminary. r Revised.

TABLE 40

ENERGY SALES IN PERCENT OF TOTAL
TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE

Year	Residential	Commercial	Industrial	Street & Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
1985p	**34.4%**	**26.3%**	**35.5%**	**0.6%**	**2.7%**	**0.2%**	**0.3%**
1984r	34.3	25.4	36.6	0.6	2.6	0.2	0.3
1983	34.7	25.3	36.3	0.6	2.7	0.2	0.2
1982	34.9	24.6	36.7	0.7	2.7	0.2	0.2
1981	34.0	24.2	38.1	0.7	2.5	0.2	0.3
1980	34.5	24.7	37.3	0.7	2.3	0.2	0.3
1979	33.4	23.7	39.2	0.7	2.4	0.2	0.4
1978	33.7	23.8	38.8	0.7	2.4	0.2	0.4
1977	33.4	24.1	38.8	0.7	2.4	0.2	0.4
1976	33.2	23.8	39.2	0.8	2.5	0.2	0.3
1975	33.8	24.1	38.2	0.8	2.5	0.3	0.3
1974	32.6	23.1	40.5	0.8	2.4	0.3	0.3
1973	32.5	23.3	40.4	0.8	2.5	0.2	0.3
1972	32.4	23.0	40.5	0.8	2.7	0.3	0.3
1971	32.7	22.8	40.4	0.8	2.7	0.3	0.3
1970	32.2	22.5	41.2	0.8	2.7	0.3	0.3
1969	31.2	21.9	42.7	0.8	2.7	0.4	0.3
1968	30.6	22.1	43.1	0.8	2.7	0.4	0.3
1967	29.9	21.9	43.9	0.9	2.7	0.4	0.3
1966	29.5	21.7	44.8	0.9	2.5	0.4	0.2
1965	29.5	21.2	45.4	0.9	2.3	0.5	0.2

Based on sales data in Table 38. p Preliminary. r Revised.

CHART VI-B

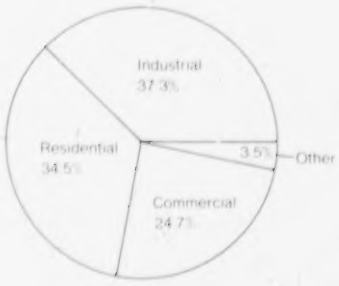
ENERGY SALES

BY YEAR AND CLASS OF SERVICE
TOTAL ELECTRIC UTILITY INDUSTRY
KILOWATTHOURS IN MILLIONS

1975 SALES

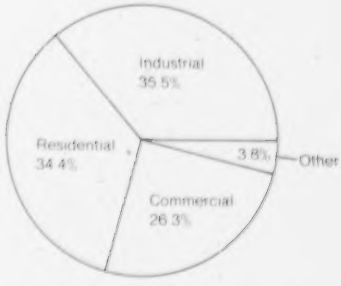
Total Sales = 1,733,024 kWh

1980 SALES



Total Sales = 2,126,094 kWh

1985 SALES



Total Sales = 2,315,006 kWh

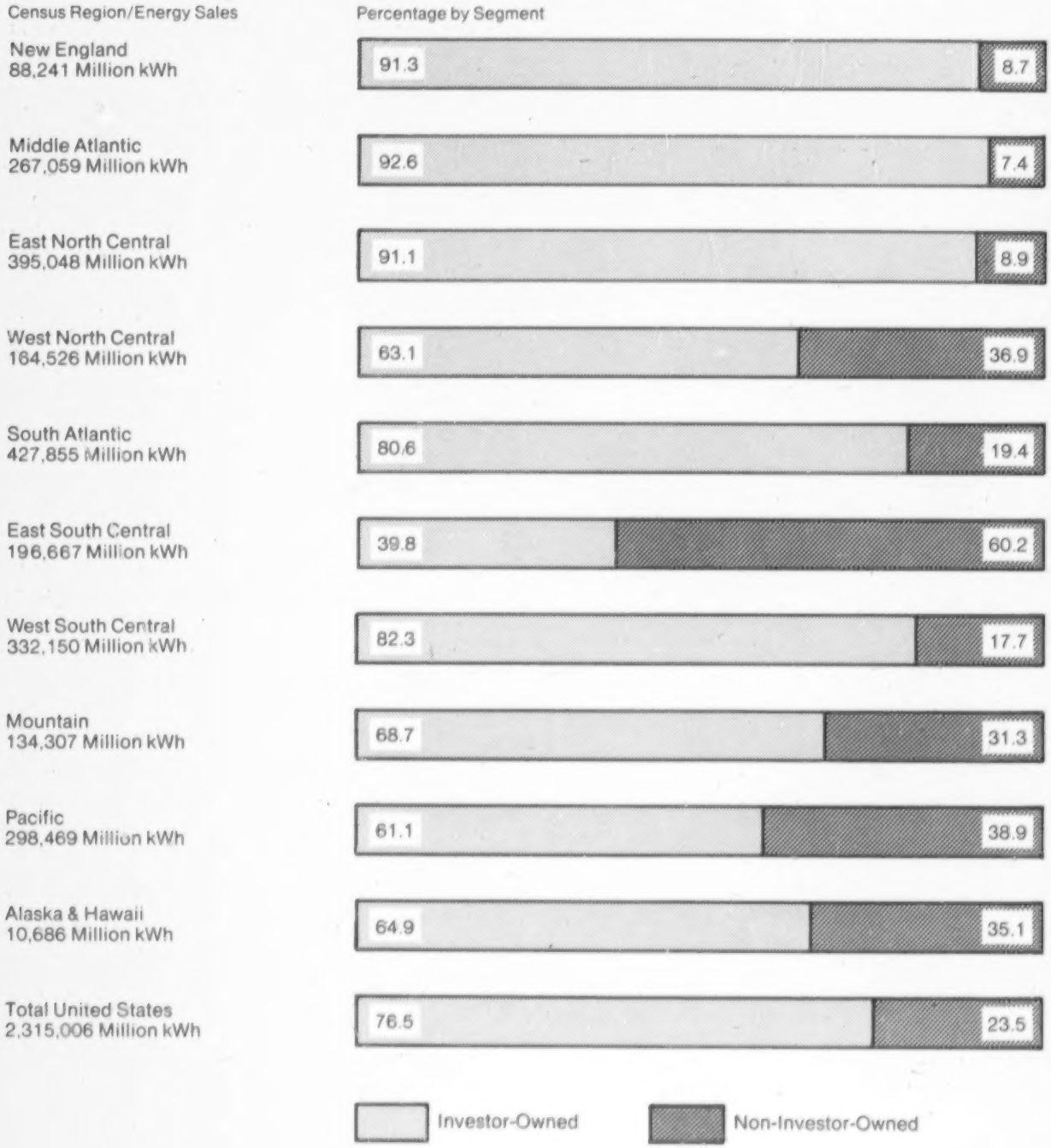
Based on Table 40, as shown above.

CHART VI-C

ENERGY SALES TO ULTIMATE CUSTOMERS

BY INVESTOR-OWNED AND NON-INVESTOR-OWNED ELECTRIC UTILITIES

1985p



p Preliminary.
Based on Table 41A, page 47 and Table 42A, page 49

TABLE 41A

ENERGY SALES
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE
YEAR 1985p—KILOWATTHOURS IN MILLIONS

Division/State	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**2,315,006**	**797,010**	**608,480**	**821,990**	**13,954**	**63,122**	**4,697**	**5,753**
Maine	9,827	3,420	2,152	4,057	61	134	–	2
New Hampshire	7,098	2,856	1,493	2,659	41	49	–	*
Vermont	4,359	1,901	838	1,482	19	118	–	1
Massachusetts	38,079	13,169	14,605	9,408	389	509	–	–
Rhode Island	5,429	1,971	1,930	1,341	73	114	–	–
Connecticut	23,449	8,640	8,362	6,065	208	33	131	10
New England	**88,241**	**31,956**	**29,380**	**25,014**	**791**	**957**	**131**	**13**
New York	113,128	32,781	39,927	29,527	1,105	7,395	2,362	31
New Jersey	53,814	17,154	20,481	15,700	444	5	5	25
Pennsylvania	100,117	32,668	23,439	42,539	551	116	739	66
Middle Atlantic	**267,059**	**82,602**	**83,848**	**87,765**	**2,099**	**7,517**	**3,108**	**122**
Ohio	124,290	33,967	25,124	61,204	667	3,261	49	17
Indiana	57,979	19,156	11,196	26,969	351	244	12	51
Illinois	99,128	29,936	28,500	33,710	706	5,878	396	1
Michigan	72,075	22,210	16,798	31,674	537	801	–	55
Wisconsin	41,576	14,892	10,966	15,013	343	279	–	82
East North Central	**395,048**	**120,161**	**92,586**	**168,570**	**2,604**	**10,463**	**458**	**206**
Minnesota	38,687	13,542	6,425	18,051	243	415	–	11
Iowa	25,558	9,823	5,450	9,567	194	523	–	1
Missouri	45,081	18,555	14,515	11,039	268	680	15	10
North Dakota	6,757	2,981	1,515	1,782	52	425	–	3
South Dakota	5,604	2,746	1,518	989	44	307	–	*
Nebraska	15,657	6,199	4,838	3,870	128	536	–	86
Kansas	27,181	9,419	9,313	7,972	160	315	–	2
West North Central	**164,526**	**63,265**	**43,573**	**53,270**	**1,090**	**3,201**	**15**	**112**
Delaware	6,335	1,915	1,660	2,715	27	12	–	7
Maryland	39,323	14,322	9,053	15,352	227	103	191	74
District of Columbia	8,214	1,233	4,130	2,534	95	–	222	–
Virginia	57,168	22,426	14,956	13,360	274	6,130	23	–
West Virginia	20,694	6,647	4,289	9,656	69	32	–	1
North Carolina	72,409	27,682	17,938	25,326	285	1,158	–	20
South Carolina	46,204	14,680	8,898	21,552	101	963	–	10
Georgia	66,573	25,624	16,848	23,378	339	253	131	–
Florida	110,934	54,044	35,847	17,418	579	2,880	53	114
South Atlantic	**427,855**	**168,574**	**113,620**	**131,291**	**1,995**	**11,530**	**619**	**225**
Kentucky	52,639	14,689	7,420	20,948	238	9,288	–	57
Tennessee	67,567	25,784	6,672	34,568	387	50	–	105
Alabama	50,035	17,155	8,499	24,019	271	32	–	59
Mississippi	26,426	10,822	6,151	8,960	148	338	–	6
East South Central	**196,667**	**68,450**	**28,742**	**88,495**	**1,044**	**9,709**	**–**	**227**
Arkansas	23,856	9,121	5,263	8,969	97	406	–	–
Louisiana	60,460	20,118	12,127	24,241	288	1,881	–	1,804
Oklahoma	35,376	14,269	9,636	9,517	142	1,812	–	–
Texas	212,459	71,791	54,120	80,069	890	5,429	–	160
West South Central	**332,150**	**115,299**	**81,145**	**122,796**	**1,417**	**9,528**	**–**	**1,964**
Montana	12,070	3,471	2,689	5,689	68	125	–	28
Idaho	16,288	5,703	4,518	5,993	33	41	–	–
Wyoming	10,470	1,815	2,262	6,290	21	67	–	14
Colorado	26,227	8,854	11,474	5,518	164	216	–	*
New Mexico	11,765	3,096	3,898	3,921	67	713	–	70
Arizona	32,645	12,128	10,635	8,685	276	517	27	377
Utah	13,590	3,996	4,272	4,663	51	605	–	2
Nevada	11,253	4,113	3,000	3,799	80	260	–	*
Mountain	**134,307**	**43,176**	**42,749**	**44,559**	**759**	**2,545**	**27**	**492**
Washington	78,710	28,582	16,511	32,146	251	1,170	19	31
Oregon	35,781	13,899	10,114	11,540	144	78	–	6
California	183,978	57,444	62,771	53,053	1,688	6,347	322	2,353
Pacific	**298,469**	**99,925**	**89,396**	**96,738**	**2,083**	**7,595**	**342**	**2,389**
Alaska	4,051	1,722	1,885	348	18	77	–	2
Hawaii	6,635	1,879	1,554	3,145	57	–	–	–
Alaska & Hawaii	**10,686**	**3,601**	**3,440**	**3,492**	**74**	**77**	**–**	**2**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary.
**Less than five hundred thousand kilowatthours.*

TABLE 41B
ENERGY SALES
TOTAL ELECTRIC UTILITY INDUSTRY
BY STATE AND CLASS OF SERVICE
YEAR 1984r – KILOWATTHOURS IN MILLIONS

Division/State	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**2,280,585**	**782,608**	**578,083**	**835,486**	**14,205**	**59,894**	**4,483**	**5,826**
Maine	9,622	3,370	2,083	3,969	64	135	–	2
New Hampshire	6,787	2,763	1,397	2,536	43	48	–	*
Vermont	4,224	1,851	797	1,440	18	116	–	1
Massachusetts	37,292	13,012	13,865	9,487	393	508	28	–
Rhode Island	5,374	1,957	1,851	1,382	72	113	–	–
Connecticut	23,100	8,583	7,949	6,226	216	30	86	10
New England	**86,397**	**31,535**	**27,941**	**25,041**	**806**	**949**	**114**	**12**
New York	111,890	32,664	35,978	32,468	1,164	7,184	2,375	56
New Jersey	52,670	17,179	19,242	15,764	449	5	5	26
Pennsylvania	101,410	33,116	22,791	44,060	547	123	708	66
Middle Atlantic	**265,970**	**82,959**	**78,011**	**92,292**	**2,160**	**7,312**	**3,089**	**148**
Ohio	121,270	34,070	24,123	59,178	666	3,169	46	19
Indiana	58,326	19,602	10,977	27,059	351	244	13	81
Illinois	99,108	30,482	28,013	33,879	694	5,673	366	1
Michigan	70,825	22,226	16,150	31,070	538	771	–	70
Wisconsin	40,981	14,693	10,599	14,995	352	265	–	77
East North Central	**390,510**	**121,073**	**89,861**	**166,181**	**2,601**	**10,122**	**425**	**248**
Minnesota	38,363	13,299	6,183	18,189	251	427	–	12
Iowa	25,582	9,942	5,330	9,608	202	499	–	1
Missouri	44,057	18,462	13,862	10,771	268	668	15	10
North Dakota	6,667	2,926	1,431	1,810	53	443	–	5
South Dakota	5,518	2,748	1,444	970	44	313	–	*
Nebraska	15,599	6,311	4,808	3,784	126	512	–	57
Kansas	26,838	9,482	8,976	7,890	166	322	–	2
West North Central	**162,624**	**63,170**	**42,035**	**53,023**	**1,111**	**3,184**	**15**	**86**
Delaware	6,220	1,897	1,590	2,686	26	12	–	9
Maryland	38,371	13,971	8,893	14,944	224	110	149	80
District of Columbia	7,936	1,227	3,949	2,456	97	–	205	–
Virginia	54,919	21,730	13,950	13,029	263	5,840	21	85
West Virginia	21,199	6,830	4,205	10,063	68	32	–	1
North Carolina	71,017	27,472	17,051	25,114	273	1,059	–	19
South Carolina	45,164	14,575	8,363	21,238	98	880	–	10
Georgia	63,106	24,461	15,357	22,625	330	241	92	–
Florida	103,503	50,213	32,988	16,905	594	2,683	13	107
South Atlantic	**411,435**	**162,377**	**106,346**	**129,092**	**1,972**	**10,857**	**480**	**311**
Kentucky	54,079	14,839	7,098	23,800	231	8,039	–	72
Tennessee	70,600	26,015	6,588	37,425	391	49	–	132
Alabama	50,034	16,849	8,052	24,770	265	30	–	68
Mississippi	25,745	10,470	5,727	9,063	147	328	–	8
East South Central	**200,457**	**68,173**	**27,465**	**95,059**	**1,034**	**8,446**	**–**	**280**
Arkansas	24,811	8,957	4,943	10,333	98	481	–	–
Louisiana	51,081	19,265	11,456	26,139	285	1,815	–	2,122
Oklahoma	34,869	14,172	9,319	9,504	140	1,734	–	–
Texas	208,334	68,127	51,152	82,886	875	4,899	–	394
West South Central	**329,095**	**110,521**	**76,870**	**128,862**	**1,398**	**8,930**	**–**	**2,515**
Montana	11,639	3,374	2,577	5,477	63	124	–	23
Idaho	16,070	5,634	4,145	6,213	34	43	–	–
Wyoming	9,844	1,817	2,143	5,784	21	66	–	13
Colorado	25,280	8,663	10,934	5,278	164	240	–	*
New Mexico	11,103	3,016	3,791	3,414	68	762	–	53
Arizona	30,604	11,336	9,946	8,309	246	439	26	302
Utah	13,510	3,924	4,040	4,790	52	702	–	2
Nevada	10,878	4,048	2,834	3,694	80	223	–	–
Mountain	**128,927**	**41,812**	**40,410**	**42,959**	**728**	**2,599**	**26**	**393**
Washington	78,900	27,292	15,231	34,747	470	1,117	20	24
Oregon	37,090	13,731	9,672	13,451	143	81	–	12
California	178,919	56,538	60,983	51,359	1,709	6,222	314	1,794
Pacific	**294,909**	**97,561**	**85,886**	**99,557**	**2,322**	**7,419**	**334**	**1,830**
Alaska	3,656	1,589	1,722	246	17	77	*	2
Hawaii	6,605	1,838	1,537	3,174	57	–	–	–
Alaska & Hawaii	**10,261**	**3,427**	**3,259**	**3,421**	**74**	**77**	*	**2**

Note: Total may not equal sum of components due to independent rounding.
r Revised.
** Less than five hundred thousand kilowatthours.*

TABLE 42A

ENERGY SALES
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE

YEAR 1985p—KILOWATTHOURS IN MILLIONS

Division/State	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**1,769,905**	**573,564**	**498,502**	**638,605**	**10,341**	**43,565**	**2,252**	**3,078**
Maine	9,576	3,290	2,113	3,987	57	129	–	–
New Hampshire	6,573	2,534	1,341	2,611	39	47	–	–
Vermont	3,543	1,487	707	1,227	14	108	–	–
Massachusetts	33,298	11,352	13,598	7,710	335	302	–	–
Rhode Island	5,406	1,956	1,927	1,337	72	114	–	–
Connecticut	22,139	8,290	8,082	5,439	198	–	131	–
New England	**80,535**	**28,910**	**27,769**	**22,310**	**716**	**699**	**131**	**–**
New York	96,633	31,511	39,390	22,465	586	2,592	56	31
New Jersey	53,086	16,825	20,364	15,427	440	–	5	25
Pennsylvania	97,660	31,036	23,002	42,171	541	104	739	66
Middle Atlantic	**247,379**	**79,372**	**82,756**	**80,063**	**1,567**	**2,697**	**801**	**122**
Ohio	115,913	29,667	23,553	58,859	647	3,120	49	17
Indiana	50,287	14,448	10,076	25,241	304	156	12	51
Illinois	92,874	26,454	26,724	32,886	697	5,715	396	1
Michigan	65,517	19,859	14,941	29,497	419	747	–	55
Wisconsin	35,385	11,746	9,711	13,372	292	229	–	34
East North Central	**359,975**	**102,173**	**85,005**	**159,855**	**2,359**	**9,968**	**458**	**158**
Minnesota	27,515	6,865	4,132	16,060	164	283	–	11
Iowa	19,561	6,228	4,630	8,189	177	336	–	1
Missouri	33,656	12,025	12,421	8,698	233	277	–	1
North Dakota	3,602	1,535	826	1,079	50	109	–	3
South Dakota	2,909	1,115	1,007	726	30	31	–	*
Nebraska	–	–	–	–	–	–	–	–
Kansas	16,638	5,651	5,638	5,179	147	21	–	2
West North Central	**103,881**	**33,419**	**28,655**	**39,931**	**801**	**1,056**	**–**	**18**
Delaware	5,158	1,389	1,444	2,292	27	–	–	7
Maryland	37,237	13,149	8,515	15,092	216	–	191	74
District of Columbia	8,214	1,233	4,130	2,534	95	–	222	–
Virginia	51,061	19,122	13,793	11,917	242	5,965	23	–
West Virginia	20,624	6,598	4,282	9,644	69	30	–	1
North Carolina	56,489	18,797	14,483	22,075	223	906	–	5
South Carolina	32,446	9,083	6,956	15,877	94	425	–	10
Georgia	46,074	12,933	12,619	20,052	265	74	131	–
Florida	87,753	41,987	30,175	12,464	379	2,581	53	114
South Atlantic	**345,056**	**124,291**	**96,395**	**111,948**	**1,610**	**9,982**	**619**	**210**
Kentucky	31,300	8,035	5,624	8,228	137	9,276	–	1
Tennessee	1,333	490	246	564	4	28	–	–
Alabama	31,770	9,815	6,594	15,215	145	–	–	1
Mississippi	13,827	4,796	3,820	4,806	98	309	–	–
East South Central	**78,230**	**23,135**	**16,283**	**28,813**	**384**	**9,613**	**–**	**2**
Arkansas	17,552	5,608	4,083	7,417	83	361	–	–
Louisiana	53,103	15,496	10,568	23,220	287	1,728	–	1,804
Oklahoma	27,515	9,872	7,524	8,237	135	1,747	–	–
Texas	175,042	53,763	43,704	73,080	760	3,734	–	1
West South Central	**273,212**	**84,739**	**65,879**	**111,954**	**1,265**	**7,570**	**–**	**1,806**
Montana	7,184	2,319	2,026	2,694	66	66	–	13
Idaho	14,297	4,815	3,892	5,562	27	2	–	–
Wyoming	7,291	1,076	1,135	5,036	20	9	–	14
Colorado	17,244	5,262	8,655	3,090	138	98	–	–
New Mexico	8,364	2,268	2,662	2,819	55	505	–	54
Arizona	17,590	6,403	5,949	4,895	89	150	–	105
Utah	10,473	3,001	2,767	4,127	48	530	–	1
Nevada	9,855	3,877	2,709	2,934	80	255	–	–
Mountain	**92,298**	**29,022**	**29,795**	**31,157**	**523**	**1,614**	**–**	**188**
Washington	22,418	11,580	6,850	3,900	88	*	–	–
Oregon	25,206	10,474	7,821	6,772	131	6	–	2
California	134,780	44,437	49,675	38,658	840	354	244	571
Pacific	**182,404**	**66,491**	**64,346**	**49,330**	**1,059**	**360**	**244**	**574**
Alaska	301	133	64	98	1	5	–	–
Hawaii	6,635	1,879	1,554	3,145	57	–	–	–
Alaska & Hawaii	**6,936**	**2,012**	**1,619**	**3,243**	**58**	**5**	**–**	**–**

Note: Total may not equal sum of components due to independent rounding.

p Preliminary.

** Less than five hundred thousand kilowatthours.*

TABLE 42B

ENERGY SALES
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE

YEAR 1984r—KILOWATTHOURS IN MILLIONS

Division/State	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**1,737,027**	**563,703**	**473,470**	**643,466**	**10,379**	**40,760**	**2,045**	**3,204**
Maine	9,372	3,242	2,038	3,903	59	130	–	–
New Hampshire	6,292	2,459	1,257	2,489	41	45	–	–
Vermont	3,431	1,447	673	1,192	14	106	–	–
Massachusetts	32,560	11,215	12,907	7,778	338	295	28	–
Rhode Island	5,351	1,942	1,848	1,377	72	113	–	–
Connecticut	21,787	8,236	7,686	5,573	205	–	86	–
New England	**78,793**	**28,540**	**26,408**	**22,312**	**730**	**688**	**114**	**–**
New York	95,234	31,399	35,488	25,101	634	2,507	73	33
New Jersey	51,951	16,852	19,130	15,493	446	–	5	26
Pennsylvania	98,909	31,460	22,366	43,661	537	111	708	66
Middle Atlantic	**246,095**	**79,711**	**76,983**	**84,255**	**1,617**	**2,618**	**787**	**124**
Ohio	113,025	29,736	22,612	56,933	647	3,032	46	18
Indiana	50,557	14,790	9,876	25,343	301	154	13	81
Illinois	92,804	26,893	26,300	33,035	686	5,522	366	1
Michigan	64,396	19,890	14,359	28,940	421	716	–	70
Wisconsin	34,901	11,594	9,393	13,368	301	216	–	28
East North Central	**355,684**	**102,904**	**82,540**	**157,620**	**2,355**	**9,640**	**425**	**200**
Minnesota	27,394	6,741	3,981	16,198	169	293	–	12
Iowa	19,564	6,308	4,541	8,214	186	316	–	1
Missouri	32,821	11,928	11,870	8,520	234	267	–	2
North Dakota	3,613	1,513	797	1,141	50	108	–	4
South Dakota	2,830	1,108	963	698	30	30	–	*
Nebraska	–	–	–	–	–	–	–	–
Kansas	16,402	5,670	5,413	5,143	153	22	–	2
West North Central	**102,623**	**33,268**	**27,564**	**39,914**	**821**	**1,035**	**–**	**21**
Delaware	5,066	1,380	1,383	2,268	26	–	–	9
Maryland	36,356	12,827	8,357	14,719	213	11	149	80
District of Columbia	7,936	1,227	3,949	2,458	97	–	205	–
Virginia	48,844	18,427	12,760	11,730	232	5,674	21	–
West Virginia	21,129	6,781	4,200	10,049	68	31	–	1
North Carolina	55,369	18,639	13,737	21,949	215	824	–	5
South Carolina	31,863	9,066	6,580	15,713	92	402	–	10
Georgia	43,810	12,432	11,545	19,406	262	72	92	–
Florida	81,893	38,919	27,713	12,343	393	2,405	13	107
South Atlantic	**332,265**	**119,699**	**90,224**	**110,634**	**1,597**	**9,420**	**480**	**212**
Kentucky	30,087	8,136	5,405	8,366	139	8,028	–	12
Tennessee	1,258	491	233	504	4	25	–	–
Alabama	31,183	9,634	6,271	15,134	142	–	–	1
Mississippi	13,423	4,587	3,587	4,855	96	298	–	–
East South Central	**75,951**	**22,848**	**15,497**	**28,859**	**382**	**8,351**	**–**	**13**
Arkansas	18,450	5,496	3,831	8,603	81	438	–	–
Louisiana	53,914	14,814	9,936	25,107	283	1,652	–	2,122
Oklahoma	27,058	9,786	7,259	8,207	134	1,671	–	–
Texas	172,507	51,171	41,284	75,994	747	3,310	–	1
West South Central	**271,929**	**81,268**	**62,311**	**117,911**	**1,245**	**7,072**	**–**	**2,123**
Montana	7,040	2,254	1,946	2,698	61	66	–	15
Idaho	14,164	4,757	3,598	5,779	28	2	–	–
Wyoming	6,811	1,072	1,075	4,622	21	8	–	13
Colorado	16,697	5,168	8,243	3,046	139	101	–	–
New Mexico	8,035	2,212	2,581	2,649	57	499	–	38
Arizona	16,685	6,081	5,640	4,682	88	141	–	54
Utah	10,344	2,942	2,584	4,274	50	494	–	1
Nevada	9,525	3,820	2,559	2,849	80	217	–	–
Mountain	**89,300**	**28,305**	**28,224**	**30,599**	**523**	**1,527**	**–**	**121**
Washington	21,397	11,199	6,400	3,711	86	*	–	–
Oregon	24,740	10,385	7,497	6,714	131	6	–	8
California	131,392	43,624	48,219	37,697	833	398	239	382
Pacific	**177,530**	**65,208**	**62,117**	**48,121**	**1,050**	**404**	**239**	**390**
Alaska	253	115	66	66	1	5	*	–
Hawaii	6,605	1,838	1,537	3,174	57	–	–	–
Alaska & Hawaii	**6,858**	**1,952**	**1,602**	**3,240**	**58**	**5**	*	**–**

Note: Total may not equal sum of components due to independent rounding.

r Revised.

** Less than five hundred thousand kilowatthours.*

TABLE 43

ENERGY SALES
TOTAL ELECTRIC UTILITY INDUSTRY

BY QUARTER AND CLASS OF SERVICE
1980–1985—KILOWATTHOURS IN MILLIONS

Year—Quarter	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
YEAR—1985p								
First Quarter	589,054	220,679	145,532	201,100	3,699	15,445	1,258	1,341
Second Quarter	544,444	170,504	144,896	206,832	3,404	16,209	1,112	1,488
Third Quarter	620,180	217,555	168,845	211,751	3,283	16,069	1,128	1,549
Fourth Quarter	561,327	188,272	149,206	202,306	3,569	15,399	1,199	1,375
Total	**2,315,006**	**797,010**	**608,480**	**821,990**	**13,954**	**63,122**	**4,697**	**5,753**
YEAR—1984r								
First Quarter	583,026	217,917	140,257	203,628	3,727	14,960	1,215	1,321
Second Quarter	539,133	170,463	136,287	211,638	3,482	14,703	1,062	1,498
Third Quarter	611,181	213,027	161,409	215,244	3,360	15,465	1,083	1,594
Fourth Quarter	547,244	181,201	140,130	204,976	3,635	14,765	1,124	1,413
Total	**2,280,585**	**782,608**	**578,083**	**835,486**	**14,205**	**59,894**	**4,483**	**5,826**
YEAR—1983								
First Quarter	525,257	193,693	128,741	182,262	3,706	14,282	1,145	1,427
Second Quarter	494,569	159,651	126,364	190,063	3,186	13,050	991	1,262
Third Quarter	606,460	221,371	157,015	208,157	3,349	14,044	1,052	1,471
Fourth Quarter	533,502	175,578	133,481	202,503	3,702	15,890	1,112	1,237
Total	**2,159,787**	**750,293**	**545,601**	**782,984**	**13,944**	**57,267**	**4,300**	**5,398**
YEAR—1982								
First Quarter	545,490	200,830	128,103	196,143	3,848	14,074	1,089	1,402
Second Quarter	495,898	161,985	122,258	192,608	3,247	13,575	1,018	1,207
Third Quarter	553,878	197,261	141,352	195,161	3,383	14,068	1,174	1,479
Fourth Quarter	504,474	172,601	125,245	186,486	3,757	14,027	1,006	1,350
Total	**2,099,741**	**732,678**	**516,959**	**770,398**	**14,236**	**55,745**	**4,288**	**5,438**
YEAR—1981								
First Quarter	542,678	195,398	125,692	201,897	4,032	13,161	1,091	1,407
Second Quarter	508,314	159,571	123,517	206,284	3,334	13,135	1,017	1,456
Third Quarter	585,219	204,863	146,610	213,451	3,425	14,049	1,029	1,792
Fourth Quarter	514,463	170,647	125,879	198,009	3,892	13,392	1,069	1,575
Total	**2,150,674**	**730,479**	**521,698**	**819,641**	**14,683**	**53,737**	**4,206**	**6,230**
YEAR—1980								
First Quarter	541,213	195,081	127,121	200,014	3,924	12,401	1,102	1,570
Second Quarter	496,515	159,354	122,714	196,865	3,488	11,478	1,039	1,577
Third Quarter	570,696	208,225	146,316	197,511	3,493	12,499	1,049	1,603
Fourth Quarter	517,670	171,751	127,971	199,422	3,927	11,906	1,085	1,608
Total	**2,126,094**	**734,411**	**524,122**	**793,812**	**14,832**	**48,284**	**4,275**	**6,358**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary r Revised.

TABLE 44

AVERAGE ANNUAL KWH USE PER CUSTOMER

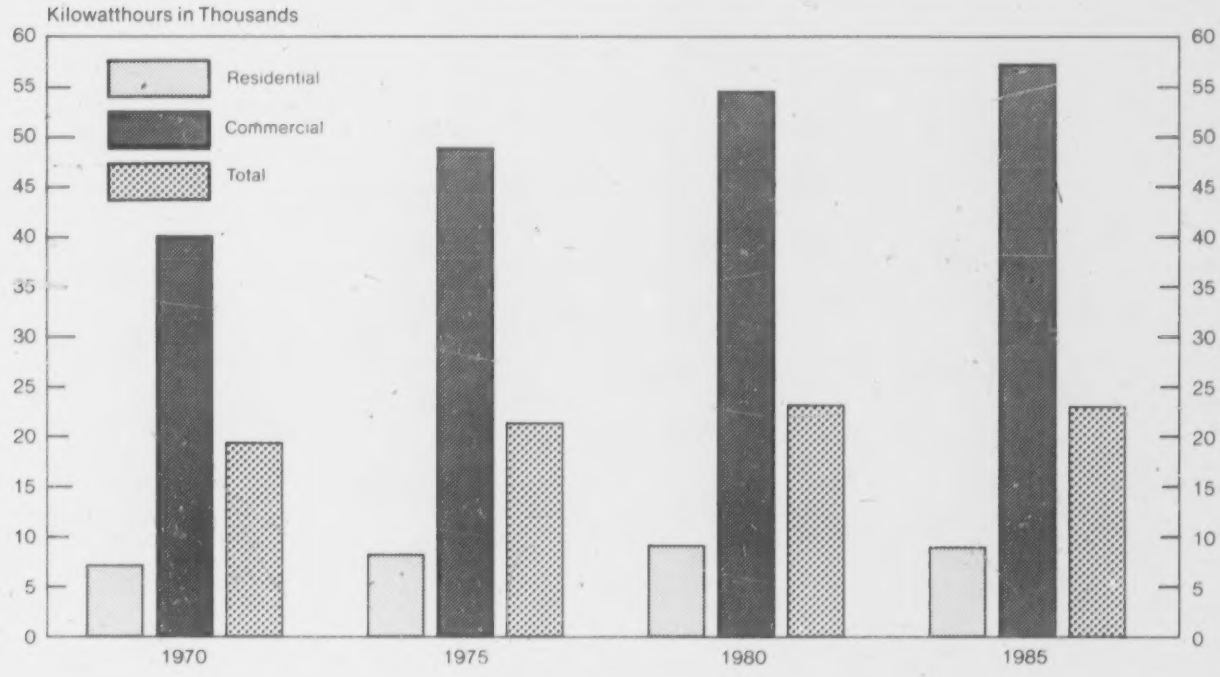
Year	TOTAL ELECTRIC UTILITY INDUSTRY Residential	Commercial	Total Ultimate Customers	Year	INVESTOR-OWNED ELECTRIC UTILITIES Residential	Commercial	Total Ultimate Customers
1985p	**8,959**	**57,369**	**23,005**	**1985p**	**8,486**	**61,988**	**23,149**
1984r	8,978	55,205	23,152	1984r	8,500	59,270	23,173
1983	8,814	53,822	22,479	1983	8,379	57,003	22,293
1982	8,743	52,260	22,197	1982	8,261	56,379	21,940
1981	8,825	53,402	23,026	1981	8,311	55,742	22,753
1980	9,025	54,538	23,167	1980	8,539	55,210	22,949
1979	8,843	53,197	23,481	1979	8,360	54,594	23,287
1978	8,849	53,085	23,315	1978	8,430	54,653	23,197
1977	8,693	52,892	23,052	1977	8,279	54,520	22,938
1976	8,360	50,733	22,361	1976	7,969	52,560	22,263
1975	8,176	48,964	21,417	1975	7,855	50,966	21,305
1974	7,907	46,557	21,448	1974	7,574	48,426	21,343
1973	8,079	47,580	21,955	1973	7,769	49,550	21,989
1972	7,691	44,496	20,964	1972	7,413	46,565	21,002
1971	7,380	41,943	19,956	1971	7,062	43,596	19,917
1970	7,066	39,952	19,380	1970	6,720	41,272	19,167
1969	6,571	36,950	18,563	1969	6,253	38,025	18,305
1968	6,057	34,637	17,445	1968	5,727	35,549	17,159
1967	5,577	32,041	16,384	1967	5,241	32,492	15,930
1966	5,265	30,133	15,678	1966	4,962	30,671	15,287
1965	4,933	27,399	14,694	1965	4,647	27,958	14,347

Based on sales data in Tables 38 and 39, and average number of customers per year. p Preliminary. r Revised.

CHART VI-D

AVERAGE KILOWATTHOURS USED

TOTAL ELECTRIC UTILITY INDUSTRY



Based on Table 44, as shown above.

CUSTOMERS

SECTION VII

TABLE 47

ULTIMATE CUSTOMERS
TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE AT DECEMBER 31st

Year	Total Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
1985p	**101,518,814**	**89,740,786**	**10,726,152**	**707,760**	**140,871**	**201,180**	**28**	**2,037**
1984r	99,371,026	87,938,995	10,565,239	525,692	139,703	199,393	29	1,975
1983	96,985,531	85,842,195	10,266,449	500,215	153,659	219,879	31	3,103
1982	95,250,268	84,371,779	9,976,274	533,635	148,678	216,975	31	2,896
1981	94,011,299	83,304,355	9,847,260	516,996	141,051	197,187	31	4,419
1980	92,653,471	82,153,162	9,698,809	464,652	142,724	168,120	30	5,974
1979	89,771,985	79,620,180	9,386,572	477,874	124,228	158,098	30	5,003
1978	87,667,954	77,775,667	9,148,399	464,637	121,899	152,439	30	4,883
1977	85,590,212	75,923,145	8,943,732	448,009	120,594	149,934	28	4,770
1976	83,613,161	74,161,846	8,750,949	427,403	119,130	148,867	28	4,938
1975	81,844,890	72,570,187	8,591,108	414,665	116,555	147,387	29	4,959
1974	80,102,390	70,949,607	8,472,817	422,736	112,477	139,480	29	5,244
1973	78,461,251	69,438,429	8,361,847	413,383	108,787	133,619	46	5,140
1972	76,150,204	67,314,000	8,200,033	369,952	103,874	157,461	50	4,834
1971	74,265,071	65,650,046	8,002,572	355,967	96,252	155,414	48	4,772
1970	72,484,978	64,017,662	7,865,073	352,993	92,052	152,706	47	4,445
1969	70,929,138	62,598,910	7,744,851	348,648	86,678	145,071	49	4,931
1968	69,716,013	61,439,030	7,706,779	333,650	86,023	146,257	64	4,210
1967	68,167,525	60,033,404	7,579,626	324,222	82,445	143,870	65	3,893
1966	66,909,793	58,826,283	7,536,066	316,098	85,197	141,703	65	4,381
1965	65,557,520	57,596,016	7,419,956	309,615	84,925	141,532	66	5,410

*Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.
p Preliminary. r Revised.

TABLE 48

ULTIMATE CUSTOMERS INVESTOR-OWNED ELECTRIC UTILITIES

BY YEAR AND CLASS OF SERVICE AT DECEMBER 31st

Year	Total Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
1985p	**77,244,987**	**68,277,741**	**8,145,600**	**556,629**	**121,789**	**142,746**	**22**	**460**
1984r	75,709,055	66,987,481	8,066,025	396,304	117,874	140,907	23	441
1983	74,247,765	65,718,130	7,886,857	387,875	115,170	139,233	23	477
1982	72,979,298	64,648,932	7,702,142	378,016	113,251	136,484	23	450
1981	72,037,264	63,820,699	7,579,344	389,646	112,061	135,049	23	442
1980	70,996,563	62,902,588	7,459,959	375,540	123,589	134,595	23	269
1979	69,581,540	61,676,402	7,290,125	372,407	108,149	134,171	23	263
1978	67,922,975	60,216,110	7,106,705	364,123	106,286	129,496	23	232
1977	66,294,706	58,770,646	6,942,201	349,563	105,442	126,611	21	222
1976	64,896,400	57,530,599	6,805,345	329,522	103,754	126,674	22	484
1975	63,650,468	56,409,122	6,690,374	322,429	101,937	126,100	23	483
1974	62,667,061	55,499,145	6,624,061	326,409	97,438	119,531	23	454
1973	61,435,986	54,370,297	6,531,953	324,236	94,682	114,315	24	479
1972	59,804,431	52,868,920	6,422,032	284,733	90,206	138,052	25	463
1971	58,204,164	51,415,155	6,294,907	274,329	86,714	132,573	25	461
1970	56,888,819	50,210,348	6,194,383	270,132	83,443	130,036	24	453
1969	55,714,225	49,134,168	6,111,945	265,331	78,903	123,399	25	454
1968	54,680,477	48,140,270	6,078,790	258,848	78,950	123,136	40	443
1967	53,560,415	47,115,644	5,994,228	255,375	75,419	119,263	41	445
1966	52,567,765	46,151,524	5,981,208	248,267	71,394	114,918	41	413
1965	51,505,592	45,166,904	5,911,683	242,818	68,421	115,303	43	420

** Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*
p Preliminary. r Revised.

TABLE 49

CUSTOMERS IN PERCENT OF TOTAL TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE AT DECEMBER 31st

Year	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways*	Inter-depart-mental*
1985p	**88.4%**	**10.6%**	**0.7%**	**0.1%**	**0.2%**	**0.0%**	**0.0%**
1984r	88.5	10.6	0.5	0.2	0.2	0.0	0.0
1983	88.5	10.6	0.5	0.2	0.2	0.0	0.0
1982	88.6	10.5	0.6	0.1	0.2	0.0	0.0
1981	88.6	10.5	0.5	0.2	0.2	0.0	0.0
1980	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1979	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1978	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1977	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1976	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1975	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1974	88.6	10.6	0.5	0.1	0.2	0.0	0.0
1973	88.5	10.7	0.5	0.1	0.2	0.0	0.0
1972	88.4	10.8	0.5	0.1	0.2	0.0	0.0
1971	88.4	10.8	0.5	0.1	0.2	0.0	0.0
1970	88.3	10.9	0.5	0.1	0.2	0.0	0.0
1969	88.3	10.9	0.5	0.1	0.2	0.0	0.0
1968	88.1	11.1	0.5	0.1	0.2	0.0	0.0
1967	88.1	11.1	0.5	0.1	0.2	0.0	0.0
1966	87.9	11.3	0.5	0.1	0.2	0.0	0.0
1965	87.9	11.3	0.5	0.1	0.2	0.0	0.0

** Less than one-tenth of one percent. p Preliminary. r Revised.*
Based on customer data in Table 47.

TABLE 50A

ULTIMATE CUSTOMERS
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE AT DECEMBER 31, 1985p

Division/State	Total Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**101,518,614**	**89,740,786**	**10,726,152**	**707,760**	**140,871**	**201,180**	**28**	**2,037**
Maine	572,626	507,009	61,908	2,396	1,047	264	–	2
New Hampshire	477,414	416,427	55,582	1,448	1,473	2,482	–	2
Vermont	262,600	230,755	26,140	1,134	305	2,262	–	4
Massachusetts	2,397,796	2,141,169	237,877	11,484	4,721	2,545	–	–
Rhode Island	398,251	357,006	37,834	2,585	796	30	–	–
Connecticut	1,326,023	1,208,546	108,862	4,831	3,747	30	1	6
New England	**5,434,710**	**4,860,912**	**530,203**	**23,878**	**12,089**	**7,613**	**1**	**14**
New York	6,733,395	5,964,737	734,175	9,232	9,835	15,408	5	3
New Jersey	3,048,427	2,689,198	339,476	12,561	7,173	17	1	1
Pennsylvania	4,896,850	4,381,998	477,214	29,768	6,312	1,552	4	2
Middle Atlantic	**14,678,672**	**13,035,933**	**1,550,865**	**51,561**	**23,320**	**16,977**	**10**	**6**
Ohio	4,447,675	3,998,386	405,085	27,825	5,926	10,431	2	20
Indiana	2,219,099	1,985,300	209,881	19,161	2,749	2,005	1	2
Illinois	4,615,610	4,178,208	416,730	6,046	2,686	11,935	2	3
Michigan	3,819,323	3,456,715	344,120	13,317	2,364	2,804	–	3
Wisconsin	2,102,563	1,886,094	208,977	3,046	3,190	1,130	–	126
East North Central	**17,204,270**	**15,504,703**	**1,584,793**	**69,395**	**16,915**	**28,305**	**5**	**154**
Minnesota	1,823,834	1,637,147	171,918	7,385	2,483	4,899	–	2
Iowa	1,272,723	1,111,375	150,372	4,517	1,303	5,153	–	3
Missouri	2,245,735	1,992,117	230,849	13,722	2,275	6,704	1	67
North Dakota	305,208	258,950	41,904	2,599	424	1,328	–	3
South Dakota	315,890	273,495	39,377	1,108	360	1,549	–	1
Nebraska	764,485	624,380	126,524	8,375	852	4,351	–	3
Kansas	1,341,686	1,143,920	183,445	11,149	1,362	1,798	–	12
West North Central	**8,069,561**	**7,041,384**	**944,389**	**48,855**	**9,059**	**25,782**	**1**	**91**
Delaware	270,643	245,598	23,926	673	194	251	–	1
Maryland	1,696,976	1,533,543	157,323	5,243	776	88	2	1
District of Columbia	206,828	181,710	24,916	166	35	–	1	–
Virginia	2,280,616	2,039,624	212,343	4,252	1,733	22,663	1	–
West Virginia	825,648	727,039	87,003	10,145	1,135	323	–	3
North Carolina	2,917,343	2,554,528	338,029	12,616	6,793	5,078	–	299
South Carolina	1,452,638	1,271,534	169,874	4,830	2,356	4,030	–	14
Georgia	2,716,468	2,437,963	250,783	19,607	2,063	6,051	1	–
Florida	5,608,104	4,980,596	585,923	24,869	4,705	12,007	1	3
South Atlantic	**17,975,264**	**15,972,135**	**1,850,120**	**82,401**	**19,790**	**50,491**	**6**	**321**
Kentucky	1,574,727	1,395,330	159,976	6,840	4,463	8,107	–	11
Tennessee	2,062,615	1,833,273	211,194	15,726	868	1,535	–	19
Alabama	1,887,478	1,666,421	209,411	8,307	900	2,428	–	11
Mississippi	1,097,532	960,813	127,265	4,978	634	3,841	–	1
East South Central	**6,622,352**	**5,855,837**	**707,846**	**35,851**	**6,865**	**15,911**	**–**	**42**
Arkansas	1,072,027	939,745	110,293	17,763	545	3,681	–	–
Louisiana	1,854,315	1,631,746	192,474	18,811	2,247	9,035	–	2
Oklahoma	1,538,171	1,326,877	185,968	14,660	1,107	9,559	–	–
Texas	7,099,736	6,148,824	861,747	61,011	3,123	24,885	–	146
West South Central	**11,564,249**	**10,047,192**	**1,350,482**	**112,245**	**7,022**	**47,160**	**–**	**148**
Montana	401,899	338,449	57,469	2,569	2,714	446	–	252
Idaho	449,523	380,901	66,352	1,622	534	114	–	–
Wyoming	244,375	201,762	39,253	2,753	187	416	–	4
Colorado	1,493,739	1,304,342	185,965	1,559	584	1,286	–	3
New Mexico	611,484	521,421	83,002	4,904	1,169	929	–	59
Arizona	1,381,137	1,222,183	143,217	5,051	8,884	1,794	1	7
Utah	592,671	526,750	56,403	7,356	1,696	460	–	6
Nevada	428,524	372,018	55,571	479	101	354	–	1
Mountain	**5,603,352**	**4,867,826**	**687,232**	**26,293**	**15,869**	**5,799**	**1**	**332**
Washington	1,974,808	1,758,895	206,119	5,396	3,681	706	1	10
Oregon	1,211,599	1,056,584	151,922	1,835	1,051	197	–	10
California	10,630,586	9,265,335	1,090,780	249,084	23,552	925	3	907
Pacific	**13,816,993**	**12,080,814**	**1,448,821**	**256,315**	**28,284**	**1,828**	**4**	**927**
Alaska	218,984	188,933	28,353	227	155	1,314	–	2
Hawaii	330,407	285,117	43,048	739	1,503	–	–	–
Alaska & Hawaii	**549,391**	**474,050**	**71,401**	**966**	**1,658**	**1,314**	**–**	**2**

p Preliminary.

TABLE 50B

ULTIMATE CUSTOMERS
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE
AT DECEMBER 31, 1984r

Division/State	Total Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**99,371,026**	**87,938,995**	**10,565,239**	**525,692**	**139,703**	**199,393**	**29**	**1,975**
Maine	558,855	495,928	59,189	2,437	1,043	256	–	2
New Hampshire	457,449	398,491	53,746	1,470	1,252	2,488	–	2
Vermont	255,922	225,587	26,626	1,147	302	2,256	–	4
Massachusetts	2,343,376	2,095,697	229,356	11,306	4,585	2,432	–	–
Rhode Island	391,681	351,769	36,599	2,497	787	29	–	–
Connecticut	1,300,933	1,186,473	105,950	4,828	3,644	31	1	6
New England	**5,308,216**	**4,753,945**	**511,466**	**23,685**	**11,613**	**7,492**	**1**	**14**
New York	6,641,761	5,894,446	674,216	48,296	9,840	14,954	5	4
New Jersey	2,986,187	2,635,680	330,796	12,587	7,105	17	1	1
Pennsylvania	4,846,314	4,340,532	468,398	29,867	5,999	1,512	4	2
Middle Atlantic	**14,474,262**	**12,870,658**	**1,473,410**	**90,750**	**22,944**	**16,483**	**10**	**7**
Ohio	4,403,500	3,967,006	393,490	26,885	5,799	10,298	2	20
Indiana	2,197,211	1,967,580	206,520	18,638	2,464	2,006	1	2
Illinois	4,595,799	4,164,545	410,700	5,911	2,686	11,952	2	3
Michigan	3,780,841	3,425,862	336,696	13,210	2,261	2,809	–	3
Wisconsin	2,078,482	1,866,760	204,350	2,966	3,181	1,102	–	123
East North Central	**17,055,833**	**15,391,753**	**1,551,756**	**67,610**	**16,391**	**28,167**	**5**	**151**
Minnesota	1,796,254	1,612,670	169,230	7,145	2,423	4,784	–	2
Iowa	1,270,188	1,109,707	148,663	4,601	1,257	5,959	–	1
Missouri	2,205,522	1,959,016	224,087	13,540	2,270	6,537	1	71
North Dakota	302,640	257,211	41,132	2,527	424	1,343	–	3
South Dakota	313,226	271,418	38,834	1,074	361	1,538	–	1
Nebraska	757,982	620,008	124,534	8,167	860	4,409	–	4
Kansas	1,318,147	1,124,822	178,956	11,068	1,326	1,962	–	13
West North Central	**7,963,959**	**6,954,852**	**925,436**	**48,122**	**8,921**	**26,532**	**1**	**95**
Delaware	261,664	237,794	22,752	699	175	243	–	1
Maryland	1,644,817	1,487,872	151,096	4,954	767	125	2	1
District of Columbia	204,604	179,697	24,706	165	35	–	1	–
Virginia	2,213,103	1,981,846	203,228	4,147	1,751	22,129	1	1
West Virginia	823,929	726,572	85,888	10,044	1,090	332	–	3
North Carolina	2,774,032	2,431,542	318,650	12,250	6,370	4,936	–	284
South Carolina	1,405,898	1,233,728	161,190	4,786	2,280	3,898	–	16
Georgia	2,623,552	2,355,737	240,423	19,525	1,978	5,888	1	–
Florida	5,381,486	4,787,706	555,962	22,210	4,261	11,343	1	3
South Atlantic	**17,333,085**	**15,422,494**	**1,763,895**	**78,780**	**18,707**	**48,894**	**6**	**309**
Kentucky	1,550,708	1,376,043	155,399	6,882	4,377	7,997	–	10
Tennessee	2,016,668	1,793,894	205,054	15,338	837	1,525	–	20
Alabama	1,849,391	1,634,024	204,066	8,003	877	2,410	–	11
Mississippi	1,077,240	943,139	124,578	5,141	614	3,767	–	1
East South Central	**6,494,007**	**5,747,100**	**689,097**	**35,364**	**6,705**	**15,699**	**–**	**42**
Arkansas	1,054,187	924,003	108,433	16,056	547	5,148	–	–
Louisiana	1,837,305	1,618,982	188,006	19,389	2,210	8,716	–	2
Oklahoma	1,525,224	1,319,366	181,083	14,410	1,095	9,270	–	–
Texas	6,877,640	5,951,774	836,423	62,352	3,156	23,801	–	134
West South Central	**11,294,356**	**9,814,125**	**1,313,945**	**112,207**	**7,008**	**46,935**	**–**	**136**
Montana	396,673	335,635	56,046	2,568	1,724	446	–	254
Idaho	445,229	377,581	65,221	1,774	541	112	–	–
Wyoming	242,440	200,645	38,316	2,897	182	396	–	4
Colorado	1,451,713	1,269,504	178,771	1,533	603	1,298	–	4
New Mexico	592,501	505,677	80,374	4,823	698	898	–	31
Arizona	1,306,847	1,154,217	136,570	5,244	8,767	2,040	1	8
Utah	574,481	510,392	54,692	7,251	1,667	473	–	6
Nevada	411,399	357,412	53,034	476	129	348	–	–
Mountain	**5,421,283**	**4,711,063**	**663,024**	**26,566**	**14,311**	**6,011**	**1**	**307**
Washington	1,931,945	1,720,511	200,956	5,561	4,278	632	1	6
Oregon	1,200,314	1,048,308	148,814	1,839	1,149	192	–	12
California	10,365,835	9,048,264	1,255,660	34,265	25,845	904	3	894
Pacific	**13,498,094**	**11,817,083**	**1,605,430**	**41,665**	**31,272**	**1,728**	**4**	**912**
Alaska	203,547	175,404	26,163	200	325	1,452	1	2
Hawaii	324,384	280,518	41,617	743	1,506	–	–	–
Alaska & Hawaii	**527,931**	**455,922**	**67,780**	**943**	**1,831**	**1,452**	**1**	**2**

r Revised.

TABLE 51A

ULTIMATE CUSTOMERS
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE AT DECEMBER 31, 1985p

Division/State	Total Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**77,244,987**	**68,277,741**	**8,145,600**	**556,629**	**121,789**	**142,746**	**22**	**460**
Maine	547,391	484,755	59,242	2,268	1,037	89	–	–
New Hampshire	418,504	365,870	49,299	1,395	1,454	486	–	–
Vermont	203,578	178,543	21,896	682	269	2,188	–	–
Massachusetts	2,096,445	1,869,357	212,010	8,064	4,662	2,352	–	–
Rhode Island	395,004	354,005	37,606	2,569	795	29	–	–
Connecticut	1,267,843	1,156,850	102,582	4,683	3,727	–	1	–
New England	**4,928,765**	**4,409,380**	**482,635**	**19,661**	**11,944**	**5,144**	**1**	**–**
New York	6,587,445	5,836,142	718,870	7,807	9,717	14,902	4	3
New Jersey	2,994,862	2,641,181	334,201	12,308	7,170	–	1	1
Pennsylvania	4,666,816	4,168,573	462,233	29,284	6,256	464	4	2
Middle Atlantic	**14,249,123**	**12,645,896**	**1,515,304**	**49,399**	**23,143**	**15,366**	**9**	**6**
Ohio	3,932,417	3,532,798	358,322	26,121	5,678	9,476	2	20
Indiana	1,752,119	1,554,491	177,167	16,885	2,649	924	1	2
Illinois	4,221,463	3,820,414	383,201	4,910	2,561	10,372	2	3
Michigan	3,395,148	3,072,099	307,523	11,749	2,239	1,535	–	3
Wisconsin	1,743,869	1,558,606	179,079	2,477	3,060	621	–	26
East North Central	**15,045,016**	**13,538,408**	**1,405,292**	**62,142**	**16,187**	**22,928**	**5**	**54**
Minnesota	1,101,326	973,145	117,578	5,537	2,108	2,956	–	2
Iowa	929,641	798,915	122,625	2,413	880	4,805	–	3
Missouri	1,485,691	1,309,857	163,116	7,677	2,024	2,981	–	36
North Dakota	195,916	165,068	28,465	1,409	395	577	–	2
South Dakota	168,580	142,410	25,152	423	279	315	–	1
Nebraska	–	–	–	–	–	–	–	–
Kansas	746,836	656,112	81,682	7,877	956	197	–	12
West North Central	**4,627,990**	**4,045,507**	**538,618**	**25,336**	**6,642**	**11,831**	**–**	**56**
Delaware	197,091	178,212	18,258	436	134	–	–	1
Maryland	1,569,645	1,417,286	146,700	4,900	756	–	2	1
District of Columbia	206,828	181,710	24,916	166	35	–	1	–
Virginia	1,933,538	1,725,482	181,887	3,316	1,683	21,169	1	–
West Virginia	817,859	720,073	86,330	10,016	1,132	305	–	3
North Carolina	1,964,289	1,688,377	257,809	9,987	6,558	1,544	–	14
South Carolina	896,155	768,548	120,426	3,343	2,290	1,534	–	14
Georgia	1,500,483	1,319,241	166,413	12,346	1,884	598	1	–
Florida	4,323,757	3,843,087	445,933	20,574	4,349	9,810	1	3
South Atlantic	**13,409,645**	**11,842,016**	**1,448,672**	**65,084**	**18,871**	**34,960**	**6**	**36**
Kentucky	909,569	787,691	105,749	4,519	4,194	7,415	–	1
Tennessee	35,941	32,095	3,560	124	121	41	–	–
Alabama	1,050,682	918,777	126,644	4,619	641	–	–	1
Mississippi	500,381	427,114	66,645	3,782	465	2,375	–	–
East South Central	**2,496,573**	**2,165,677**	**302,598**	**13,044**	**5,421**	**9,831**	**–**	**2**
Arkansas	670,206	577,782	73,180	16,989	506	1,749	–	–
Louisiana	1,387,089	1,216,864	144,401	15,220	2,187	8,415	–	2
Oklahoma	1,056,763	917,269	116,858	12,811	1,096	8,729	–	–
Texas	5,060,371	4,388,736	594,503	53,001	2,874	21,256	–	1
West South Central	**8,174,429**	**7,100,651**	**928,942**	**98,021**	**6,663**	**40,149**	**–**	**3**
Montana	296,282	249,058	41,681	2,494	2,699	123	–	227
Idaho	375,040	316,936	56,190	1,364	503	47	–	–
Wyoming	155,565	130,842	22,482	1,986	172	79	–	4
Colorado	966,057	858,093	107,122	76	485	281	–	–
New Mexico	429,070	374,714	49,218	4,238	79	773	–	48
Arizona	793,300	698,026	89,496	4,022	825	930	–	1
Utah	453,498	407,268	37,639	6,968	1,574	46	–	3
Nevada	403,003	351,533	50,897	455	101	17	–	–
Mountain	**3,871,815**	**3,386,470**	**454,725**	**21,603**	**6,438**	**2,296**	**–**	**283**
Washington	895,400	799,701	91,429	2,833	1,436	1	–	–
Oregon	956,457	833,854	120,166	1,357	1,009	70	–	1
California	8,244,609	7,212,617	812,131	197,288	22,511	42	1	19
Pacific	**10,096,466**	**8,846,172**	**1,023,726**	**201,478**	**24,956**	**113**	**1**	**20**
Alaska	14,758	12,447	2,040	122	21	128	–	–
Hawaii	330,407	285,117	43,048	739	1,503	–	–	–
Alaska & Hawaii	**345,165**	**297,564**	**45,088**	**861**	**1,524**	**128**	**–**	**–**

p Preliminary.

TABLE 51B

ULTIMATE CUSTOMERS
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE
AT DECEMBER 31, 1984r

Division/State	Total Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**75,709,055**	**66,987,481**	**8,066,025**	**396,304**	**117,874**	**140,907**	**23**	**441**
Maine	534,053	473,971	56,654	2,309	1,033	86	–	–
New Hampshire	399,455	349,159	47,138	1,418	1,235	505	–	–
Vermont	198,436	174,515	20,779	693	266	2,183	–	–
Massachusetts	2,046,871	1,828,219	203,945	7,937	4,528	2,242	–	–
Rhode Island	388,483	348,810	36,378	2,481	786	28	–	–
Connecticut	1,244,160	1,135,999	99,856	4,678	3,626	–	1	–
New England	**4,811,458**	**4,310,673**	**464,750**	**19,516**	**11,474**	**5,044**	**1**	**–**
New York	6,497,292	5,767,300	659,708	46,104	9,722	14,451	4	3
New Jersey	2,933,433	2,588,380	325,613	12,336	7,102	–	1	1
Pennsylvania	4,619,420	4,129,751	453,909	29,332	5,945	477	4	2
Middle Atlantic	**14,050,145**	**12,485,431**	**1,439,230**	**87,772**	**22,769**	**14,928**	**9**	**6**
Ohio	3,894,072	3,505,776	348,135	25,249	5,556	9,334	2	20
Indiana	1,735,273	1,540,841	174,720	16,413	2,365	931	1	2
Illinois	4,203,102	3,807,456	377,893	4,786	2,561	10,401	2	3
Michigan	3,361,396	3,044,986	301,055	11,668	2,138	1,546	–	3
Wisconsin	1,723,928	1,542,884	174,942	2,410	3,050	620	–	22
East North Central	**14,917,771**	**13,441,943**	**1,376,745**	**60,526**	**15,670**	**22,832**	**5**	**50**
Minnesota	1,086,053	959,871	115,836	5,352	2,054	2,938	–	2
Iowa	925,979	796,820	121,118	2,428	837	4,775	–	1
Missouri	1,460,793	1,288,494	159,657	7,667	2,025	2,910	–	40
North Dakota	195,032	164,460	28,220	1,380	395	575	–	2
South Dakota	166,618	140,820	24,788	413	280	316	–	1
Nebraska	–	–	–	–	–	–	–	–
Kansas	730,781	642,452	79,347	7,842	933	194	–	13
West North Central	**4,565,256**	**3,992,917**	**528,966**	**25,082**	**6,524**	**11,708**	**–**	**59**
Delaware	190,713	172,679	17,417	451	165	–	–	1
Maryland	1,522,772	1,376,360	140,965	4,658	746	40	2	1
District of Columbia	204,604	179,697	24,706	165	35	–	1	–
Virginia	1,870,428	1,671,262	173,542	3,340	1,692	20,591	1	–
West Virginia	816,307	719,736	85,257	9,910	1,087	314	–	3
North Carolina	1,853,935	1,594,907	241,644	9,744	6,147	1,476	–	17
South Carolina	870,941	748,012	115,874	3,316	2,215	1,508	–	16
Georgia	1,449,968	1,276,036	159,233	12,314	1,810	574	1	–
Florida	4,153,317	3,698,095	423,725	18,388	3,928	9,177	1	3
South Atlantic	**12,932,985**	**11,436,784**	**1,382,363**	**62,286**	**17,825**	**33,680**	**6**	**41**
Kentucky	895,925	776,732	103,363	4,394	4,130	7,304	–	2
Tennessee	35,347	31,616	3,451	119	120	41	–	–
Alabama	1,033,899	905,239	123,561	4,467	631	–	–	1
Mississippi	491,625	419,432	65,694	3,735	449	2,315	–	–
East South Central	**2,456,796**	**2,133,019**	**296,069**	**12,715**	**5,330**	**9,660**	**–**	**3**
Arkansas	659,576	569,087	71,397	15,337	496	3,259	–	–
Louisiana	1,376,705	1,209,462	141,196	15,775	2,152	8,118	–	2
Oklahoma	1,051,979	915,273	114,525	12,637	1,084	8,460	–	–
Texas	4,928,718	4,270,169	582,171	53,295	2,913	20,169	–	1
West South Central	**8,016,978**	**6,963,991**	**909,289**	**97,044**	**6,645**	**40,006**	**–**	**3**
Montana	292,839	247,639	40,664	2,465	1,709	133	–	229
Idaho	371,367	314,174	55,123	1,516	510	44	–	–
Wyoming	154,087	129,632	22,106	2,097	167	82	–	4
Colorado	943,575	839,188	103,506	80	502	299	–	–
New Mexico	415,499	363,029	47,435	4,184	83	748	–	20
Arizona	759,073	667,022	85,908	4,138	741	1,263	–	1
Utah	438,594	393,773	36,376	6,866	1,531	45	–	3
Nevada	386,793	337,765	48,435	450	129	14	–	–
Mountain	**3,761,827**	**3,292,222**	**439,552**	**21,796**	**5,372**	**2,628**	**–**	**257**
Washington	872,452	779,884	88,203	2,951	1,413	1	–	–
Oregon	946,220	826,166	117,572	1,350	1,060	69	–	3
California	8,038,331	7,032,736	979,029	4,411	22,093	42	1	19
Pacific	**9,857,003**	**8,638,786**	**1,184,804**	**8,712**	**24,566**	**112**	**1**	**22**
Alaska	14,452	11,197	2,640	112	193	309	1	–
Hawaii	324,384	280,518	41,617	743	1,506	–	–	–
Alaska & Hawaii	**338,836**	**291,715**	**44,257**	**855**	**1,699**	**309**	**1**	**–**

r Revised.

TABLE 52A

AVERAGE NUMBER OF CUSTOMERS TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CERTAIN CLASS OF SERVICE – YEAR 1985p

Division/State	Total Ultimate Customers	Residential	Commercial
Total United States	**100,630,855**	**88,964,083**	**10,606,395**
Maine	566,614	501,718	61,152
New Hampshire	468,847	409,103	54,328
Vermont	260,262	228,832	27,689
Massachusetts	2,373,392	2,120,584	234,177
Rhode Island	395,004	354,335	37,299
Connecticut	1,313,279	1,197,076	107,629
New England	**5,377,398**	**4,811,648**	**522,274**
New York	6,694,885	5,933,405	717,619
New Jersey	3,021,309	2,665,840	335,922
Pennsylvania	4,871,426	4,360,471	473,341
Middle Atlantic	**14,587,620**	**12,959,516**	**1,526,882**
Ohio	4,425,902	3,979,802	402,264
Indiana	2,208,710	1,976,507	208,667
Illinois	4,603,020	4,168,401	414,001
Michigan	3,799,497	3,440,057	341,097
Wisconsin	2,090,644	1,876,186	207,000
East North Central	**17,127,773**	**15,440,953**	**1,573,029**
Minnesota	1,813,329	1,627,781	170,925
Iowa	1,270,610	1,110,043	149,547
Missouri	2,229,770	1,978,106	228,972
North Dakota	303,781	257,867	41,594
South Dakota	315,056	272,710	39,338
Nebraska	761,345	621,655	126,170
Kansas	1,333,225	1,136,498	182,436
West North Central	**8,027,116**	**7,004,660**	**938,982**
Delaware	267,806	243,101	23,590
Maryland	1,675,244	1,514,384	154,860
District of Columbia	205,623	180,584	24,838
Virginia	2,246,694	2,010,124	208,260
West Virginia	824,856	726,820	86,481
North Carolina	2,889,077	2,530,580	333,799
South Carolina	1,440,750	1,261,630	167,976
Georgia	2,681,815	2,408,320	245,828
Florida	5,498,668	4,884,383	574,080
South Atlantic	**17,730,533**	**15,759,926**	**1,819,712**
Kentucky	1,569,755	1,391,565	158,946
Tennessee	2,044,301	1,818,170	208,034
Alabama	1,873,253	1,654,384	207,347
Mississippi	1,090,854	954,946	126,489
East South Central	**6,578,163**	**5,819,065**	**700,816**
Arkansas	1,068,523	935,135	109,684
Louisiana	1,851,274	1,629,592	191,411
Oklahoma	1,536,194	1,326,131	184,930
Texas	7,023,356	6,079,403	853,993
West South Central	**11,479,347**	**9,970,261**	**1,340,018**
Montana	400,995	337,033	57,077
Idaho	447,947	378,638	65,901
Wyoming	244,135	201,252	39,447
Colorado	1,478,424	1,291,326	183,640
New Mexico	602,377	513,583	81,738
Arizona	1,327,861	1,172,545	139,404
Utah	583,045	517,503	55,754
Nevada	420,183	364,757	54,486
Mountain	**5,504,967**	**4,776,637**	**677,447**
Washington	1,968,662	1,751,403	207,416
Oregon	1,208,583	1,051,348	154,143
California	10,494,932	9,147,356	1,075,161
Pacific	**13,672,177**	**11,950,107**	**1,436,720**
Alaska	218,865	189,025	28,143
Hawaii	326,896	282,285	42,372
Alaska & Hawaii	**545,761**	**471,310**	**70,515**

p Preliminary

TABLE 52B

AVERAGE NUMBER OF CUSTOMERS TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CERTAIN CLASS OF SERVICE – YEAR 1984r

Division/State	Total Ultimate Customers	Residential	Commercial
Total United States	**98,506,506**	**87,170,333**	**10,471,643**
Maine	553,506	490,953	58,781
New Hampshire	451,897	394,031	52,665
Vermont	253,697	224,064	25,905
Massachusetts	2,333,329	2,088,015	226,997
Rhode Island	388,702	349,288	36,106
Connecticut	1,289,233	1,175,840	104,884
New England	**5,270,364**	**4,722,191**	**505,338**
New York	6,607,140	5,865,072	669,009
New Jersey	2,966,729	2,618,983	328,085
Pennsylvania	4,819,468	4,316,817	465,235
Middle Atlantic	**14,393,337**	**12,800,872**	**1,462,329**
Ohio	4,386,890	3,951,496	393,017
Indiana	2,188,469	1,959,943	205,460
Illinois	4,582,232	4,153,399	408,245
Michigan	3,764,949	3,412,376	334,382
Wisconsin	2,067,705	1,857,277	203,071
East North Central	**16,990,245**	**15,334,491**	**1,544,175**
Minnesota	1,784,179	1,602,099	167,825
Iowa	1,269,582	1,108,808	148,851
Missouri	2,192,149	1,947,108	223,010
North Dakota	300,899	255,805	40,818
South Dakota	312,625	270,761	38,904
Nebraska	754,440	617,158	123,892
Kansas	1,311,310	1,118,567	178,497
West North Central	**7,925,184**	**6,920,306**	**921,797**
Delaware	260,121	236,532	22,469
Maryland	1,623,419	1,468,627	149,361
District of Columbia	203,398	178,608	24,588
Virginia	2,182,838	1,955,485	199,699
West Virginia	820,211	724,038	85,042
North Carolina	2,750,706	2,411,195	315,937
South Carolina	1,395,520	1,225,019	159,550
Georgia	2,592,245	2,329,377	235,617
Florida	5,272,466	4,690,757	544,547
South Atlantic	**17,100,924**	**15,219,638**	**1,736,810**
Kentucky	1,547,492	1,373,925	154,355
Tennessee	1,999,268	1,778,872	202,987
Alabama	1,834,996	1,621,633	202,189
Mississippi	1,070,589	937,936	123,242
East South Central	**6,452,345**	**5,712,366**	**682,773**
Arkansas	1,049,667	918,775	107,836
Louisiana	1,826,355	1,609,796	185,975
Oklahoma	1,514,933	1,311,533	178,911
Texas	6,761,456	5,847,996	826,270
West South Central	**11,152,411**	**9,688,100**	**1,298,992**
Montana	395,188	333,271	55,822
Idaho	442,707	374,806	64,513
Wyoming	243,188	201,093	38,588
Colorado	1,433,058	1,253,292	176,328
New Mexico	584,564	498,838	79,353
Arizona	1,261,462	1,111,785	133,532
Utah	568,124	504,196	54,196
Nevada	403,508	350,656	51,906
Mountain	**5,331,799**	**4,627,937**	**654,238**
Washington	1,917,140	1,704,237	202,329
Oregon	1,203,500	1,049,100	151,296
California	10,250,552	8,943,499	1,244,674
Pacific	**13,371,192**	**11,696,836**	**1,598,299**
Alaska	196,787	169,296	25,511
Hawaii	321,918	278,300	41,381
Alaska & Hawaii	**518,705**	**447,596**	**66,892**

r Revised

TABLE 53A

AVERAGE NUMBER OF CUSTOMERS INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CERTAIN CLASS OF SERVICE—YEAR 1985p

Division/State	Total Ultimate Customers	Residential	Commercial
Total United States	**76,457,655**	**67,586,953**	**8,041,866**
Maine	541,379	479,464	58,486
New Hampshire	409,937	358,546	48,045
Vermont	201,240	176,620	21,445
Massachusetts	2,072,521	1,849,195	208,367
Rhode Island	391,757	351,334	37,071
Connecticut	1,255,574	1,145,814	101,391
New England	**4,872,408**	**4,360,973**	**474,805**
New York	6,549,047	5,804,925	702,298
New Jersey	2,967,785	2,617,643	330,669
Pennsylvania	4,641,392	4,147,046	458,360
Middle Atlantic	**14,158,224**	**12,569,614**	**1,491,327**
Ohio	3,910,644	3,514,214	355,501
Indiana	1,741,765	1,545,648	176,011
Illinois	4,209,757	3,811,427	380,536
Michigan	3,375,582	3,055,639	304,578
Wisconsin	1,732,009	1,548,751	177,108
East North Central	**14,969,757**	**13,475,679**	**1,393,734**
Minnesota	1,090,733	963,694	116,582
Iowa	927,528	797,583	121,600
Missouri	1,471,419	1,297,372	161,374
North Dakota	194,489	163,985	28,155
South Dakota	167,746	141,625	25,113
Nebraska	—	—	—
Kansas	738,308	648,599	80,699
West North Central	**4,590,223**	**4,012,858**	**533,723**
Delaware	194,254	175,715	17,922
Maryland	1,547,913	1,398,127	144,237
District of Columbia	205,623	180,584	24,838
Virginia	1,899,989	1,696,178	177,978
West Virginia	817,067	719,854	85,808
North Carolina	1,936,965	1,665,236	253,712
South Carolina	884,267	758,644	118,528
Georgia	1,467,295	1,290,903	161,616
Florida	4,220,801	3,752,202	435,144
South Atlantic	**13,174,174**	**11,637,443**	**1,419,783**
Kentucky	906,103	765,201	104,946
Tennessee	35,470	31,701	3,491
Alabama	1,040,715	910,341	125,221
Mississippi	496,281	423,449	66,199
East South Central	**2,478,569**	**2,150,742**	**299,857**
Arkansas	666,702	573,172	72,571
Louisiana	1,384,048	1,214,710	143,338
Oklahoma	1,054,786	916,523	115,820
Texas	4,998,973	4,332,484	589,272
West South Central	**8,104,509**	**7,036,889**	**921,001**
Montana	295,377	247,642	41,289
Idaho	373,464	314,673	55,739
Wyoming	155,325	130,332	22,676
Colorado	954,626	848,397	105,357
New Mexico	419,963	366,876	47,954
Arizona	764,490	671,398	87,077
Utah	443,872	398,021	36,990
Nevada	394,662	344,272	49,812
Mountain	**3,801,779**	**3,321,611**	**446,894**
Washington	886,346	789,126	92,913
Oregon	954,038	829,086	122,519
California	8,125,974	7,108,200	800,898
Pacific	**9,966,358**	**8,726,412**	**1,016,330**
Alaska	14,758	12,447	2,040
Hawaii	326,896	282,285	42,372
Alaska & Hawaii	**341,654**	**294,732**	**44,412**

p Preliminary.

TABLE 53B

AVERAGE NUMBER OF CUSTOMERS INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CERTAIN CLASS OF SERVICE – YEAR 1984r

Division/State	Total Ultimate Customers	Residential	Commercial
Total United States	**74,959,370**	**66,317,906**	**7,988,387**
Maine	528,704	468,995	56,246
New Hampshire	393,903	344,699	46,057
Vermont	196,211	172,992	20,058
Massachusetts	2,037,281	1,820,913	201,668
Rhode Island	385,504	346,329	35,885
Connecticut	1,232,768	1,125,631	98,835
New England	**4,774,371**	**4,279,560**	**458,749**
New York	6,462,702	5,737,968	654,487
New Jersey	2,913,974	2,571,662	322,923
Pennsylvania	4,592,574	4,106,036	450,746
Middle Atlantic	**13,969,250**	**12,415,666**	**1,428,156**
Ohio	3,877,462	3,490,266	347,662
Indiana	1,726,547	1,533,227	173,653
Illinois	4,189,288	3,796,527	375,473
Michigan	3,345,718	3,031,605	298,852
Wisconsin	1,713,151	1,533,400	173,660
East North Central	**14,852,666**	**13,385,025**	**1,369,300**
Minnesota	1,073,885	949,216	114,421
Iowa	925,373	795,921	121,306
Missouri	1,448,558	1,277,482	158,785
North Dakota	193,291	163,054	27,906
South Dakota	166,017	140,163	24,858
Nebraska	–	–	–
Kansas	723,490	635,685	78,943
West North Central	**4,530,614**	**3,961,521**	**526,219**
Delaware	189,170	171,417	17,134
Maryland	1,501,374	1,357,115	139,230
District of Columbia	203,398	178,608	24,588
Virginia	1,840,600	1,645,170	170,182
West Virginia	812,589	717,202	84,411
North Carolina	1,831,519	1,575,377	239,024
South Carolina	860,563	739,303	114,234
Georgia	1,420,192	1,250,999	154,636
Florida	4,050,264	3,605,911	413,403
South Atlantic	**12,709,669**	**11,241,102**	**1,356,842**
Kentucky	894,078	775,726	102,574
Tennessee	35,000	31,316	3,410
Alabama	1,023,038	895,770	122,262
Mississippi	487,480	416,253	64,801
East South Central	**2,439,596**	**2,119,065**	**293,047**
Arkansas	655,056	563,859	70,800
Louisiana	1,365,755	1,200,276	139,165
Oklahoma	1,014,688	907,440	112,353
Texas	4,833,747	4,185,351	574,191
West South Central	**7,896,246**	**6,856,926**	**896,509**
Montana	291,354	245,275	40,440
Idaho	368,845	311,399	54,415
Wyoming	154,835	130,080	22,377
Colorado	930,554	827,857	101,803
New Mexico	407,562	356,190	46,414
Arizona	732,759	642,490	84,051
Utah	432,237	387,577	35,880
Nevada	378,902	331,009	47,307
Mountain	**3,697,048**	**3,231,877**	**432,587**
Washington	864,182	769,956	89,782
Oregon	950,012	827,522	120,096
California	7,939,346	6,940,187	972,979
Pacific	**9,753,540**	**8,537,667**	**1,182,857**
Alaska	14,452	11,197	2,640
Hawaii	321,918	278,300	41,381
Alaska & Hawaii	**336,370**	**289,497**	**44,021**

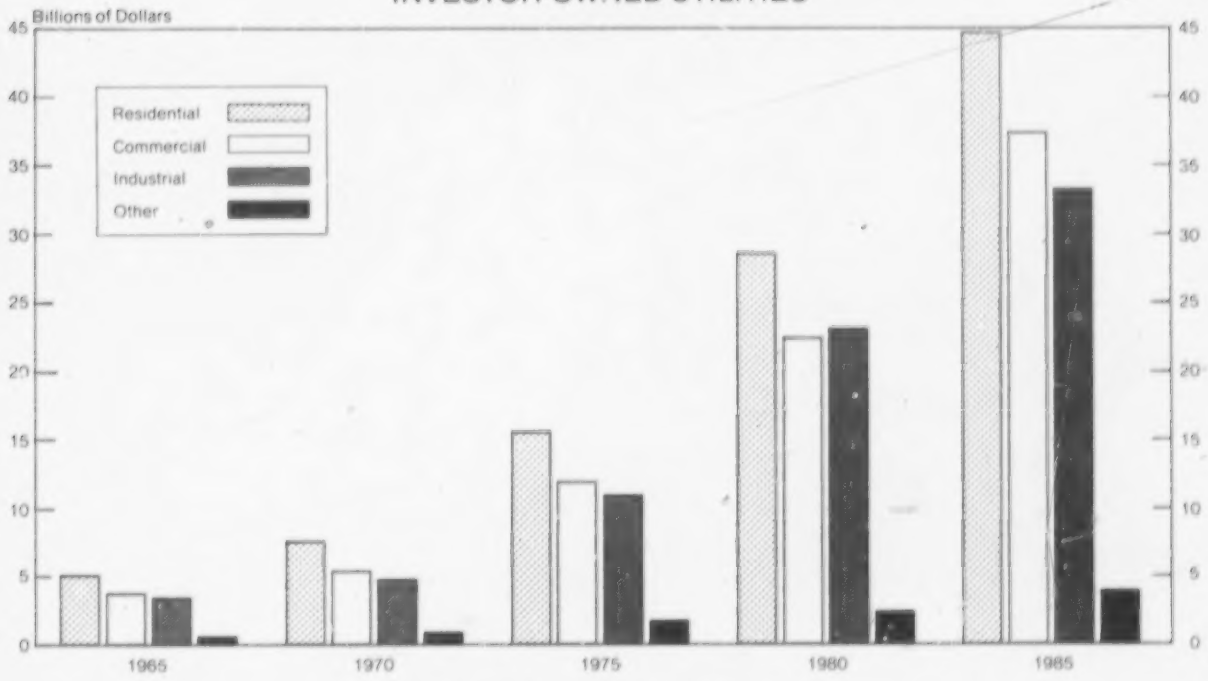
r Revised

REVENUES
SECTION VIII

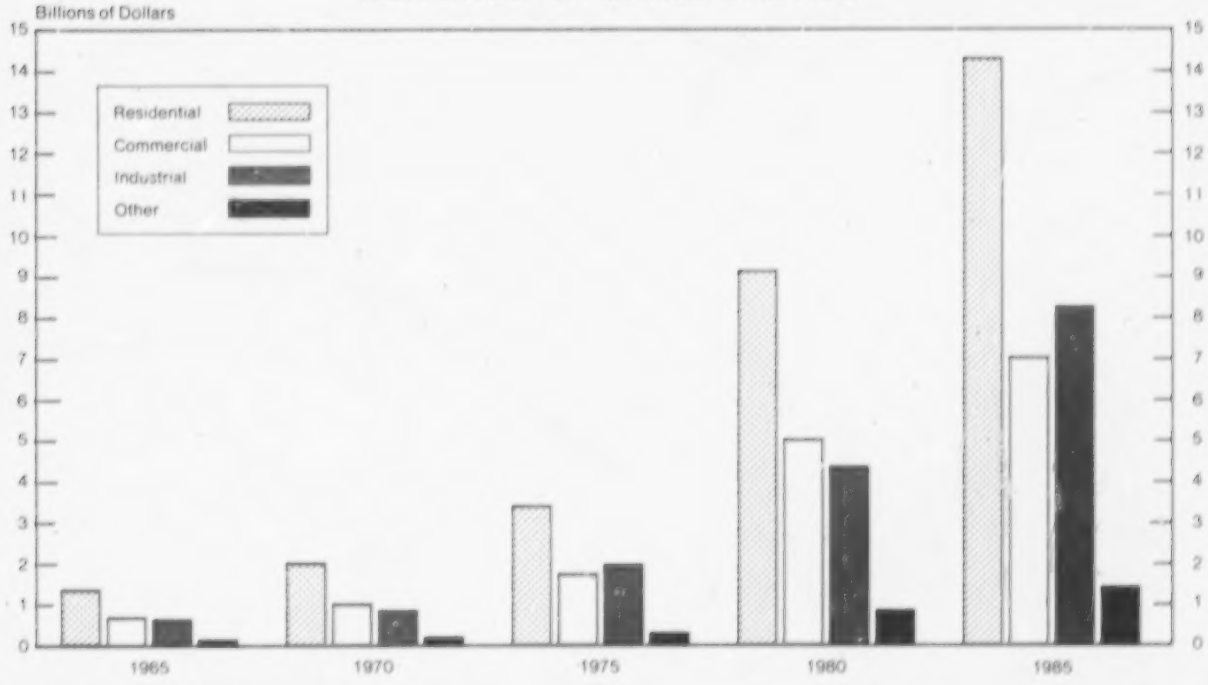
Chart VIII-A

REVENUE FROM ULTIMATE CUSTOMERS

INVESTOR-OWNED UTILITIES



NON-INVESTOR-OWNED UTILITIES



Based on Tables 56 and 57, on page 64

TABLE 56

REVENUES
TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE
THOUSANDS OF DOLLARS

Year	Total Revenue from Sales †	Exports to Canada and Mexico	Total from Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Interdepartmental
1985p	**$149,861,203**	**$25,216**	**$149,835,987**	**$58,972,834**	**$44,236,501**	**$41,445,269**	**$1,424,789**	**$3,217,778**	**$313,138**	**$225,679**
1984r	143,114,300	21,796	143,092,504	56,116,141	41,253,720	40,795,789	1,375,931	3,044,620	302,725	203,574
1983	129,596,675	7,874	129,588,801	51,226,246	37,103,377	36,611,630	1,324,955	2,864,037	296,766	161,790
1982	121,597,243	13,012	121,584,231	47,188,127	34,150,840	35,881,745	1,254,430	2,633,749	291,751	183,589
1981	111,028,011	26,838	111,001,173	42,824,457	31,325,322	33,030,093	1,168,691	2,247,307	238,554	166,749
1980	95,505,802	43,421	95,462,381	37,580,892	27,369,963	27,316,770	1,041,008	1,811,065	207,683	135,000
1979	79,649,846	9,609	79,640,237	30,798,693	22,264,356	23,825,487	918,157	1,517,333	188,628	127,583
1978	69,865,806	12,862	69,852,944	27,381,419	19,714,364	20,280,391	849,677	1,350,439	170,123	106,531
1977	62,629,713	19,684	62,610,029	24,687,500	18,021,548	17,629,321	776,771	1,245,155	145,680	104,054
1976	53,480,659	17,795	53,462,864	21,149,590	15,236,104	14,999,522	724,436	1,112,247	163,840	77,125
1975	46,864,685	11,229	46,853,456	18,803,156	13,486,624	12,707,490	659,332	975,799	159,160	61,895
1974	39,133,322	6,517	39,126,805	15,702,853	11,196,960	10,673,464	573,164	780,010	146,112	54,242
1973	31,668,281	5,422	31,662,859	13,194,773	9,147,188	8,073,636	491,831	620,991	91,903	42,537
1972	27,927,681	6,611	27,921,070	11,729,833	8,041,052	6,983,891	449,831	593,267	85,300	37,896
1971	24,735,122	9,963	24,725,159	10,483,526	7,071,971	6,133,964	411,534	512,772	77,862	33,530
1970	22,076,885	11,023	22,065,862	9,415,707	6,290,225	5,429,852	377,791	453,104	69,169	30,014
1969	20,144,225	4,876	20,139,349	8,532,729	5,704,764	5,044,857	350,563	417,571	62,981	25,884
1968	18,585,368	5,489	18,579,879	7,802,033	5,315,100	4,672,211	327,196	379,435	61,440	22,464
1967	17,226,235	3,515	17,222,720	7,183,908	4,935,911	4,364,759	307,272	349,323	60,609	20,938
1966	16,199,140	3,004	16,196,136	6,733,714	4,649,084	4,134,538	281,584	321,001	59,132	17,083
1965	15,162,538	4,159	15,158,379	6,328,756	4,312,859	3,884,748	262,569	290,892	60,903	17,652

Note: Total may not equal sum of components due to independent rounding.
† Excludes other electric revenues.
** Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*
p Preliminary. r Revised.

TABLE 57

REVENUES
INVESTOR-OWNED ELECTRIC UTILITIES

BY YEAR AND CLASS OF SERVICE
THOUSANDS OF DOLLARS

Year	Total Revenues	Other Revenues †	Total from Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Interdepartmental
1985p	**$125,547,432**	**$6,645,273**	**$118,902,159**	**$44,670,355**	**$37,251,178**	**$33,207,651**	**$1,159,848**	**$2,285,783**	**$157,728**	**$169,617**
1984r	120,090,160	6,752,083	113,338,077	42,474,833	34,720,332	32,605,010	1,119,279	2,144,129	142,578	131,916
1983	109,446,384r	6,581,164r	102,865,220	39,067,481	31,336,661	29,275,314	1,057,872	1,899,057	126,300	102,536
1982	101,692,973r	4,595,135r	97,097,838	36,138,384	29,603,969	28,322,848	1,022,473	1,775,494	130,340	104,329
1981	94,266,325	5,497,327	88,768,998	32,622,129	26,370,929	26,986,678	933,861	1,641,632	120,124	93,645
1980	80,635,823	4,460,469	76,175,354	28,492,402	22,351,012	22,970,668	819,762	1,362,136	111,552	67,822
1979	68,151,992	4,274,055	63,877,937	23,613,621	18,463,690	19,801,718	716,209	1,137,987	80,002	64,710
1978	61,298,846	3,683,472	57,615,374	21,623,578	16,784,764	17,379,313	682,895	1,016,671	74,772	53,381
1977	55,141,656	3,364,784	51,776,872	19,541,802	15,404,917	15,092,313	632,154	984,452	90,263	50,971
1976	47,079,734	2,599,312	44,480,422	16,920,314	13,137,482	12,688,950	612,674	935,116	150,173	35,713
1975	41,855,398	2,285,281	39,570,117	15,434,811	11,766,583	10,785,231	558,554	841,853	157,539	25,546
1974	34,970,201	1,784,436	33,185,765	12,881,369	9,737,585	9,243,172	485,472	670,971	144,837	22,359
1973	27,525,926	1,208,947	26,316,979	10,590,178	7,807,644	6,875,953	412,921	522,826	90,753	16,704
1972	24,132,546	1,011,942	23,120,604	9,359,949	6,832,630	5,950,367	378,413	502,910	84,144	12,191
1971	21,230,373	835,581	20,394,792	8,308,330	6,016,096	5,199,601	347,972	435,949	76,701	10,143
1970	18,830,214	722,994	18,107,220	7,424,224	5,314,447	4,591,093	319,373	381,405	68,030	8,648
1969	17,163,515	647,843	16,515,672	6,722,985	4,804,558	4,274,968	296,028	347,078	61,855	8,200
1968	15,809,534	577,493	15,232,041	6,142,073	4,471,545	3,961,473	276,010	313,231	60,295	7,414
1967	14,568,786	513,147	14,055,639	5,639,111	4,125,734	3,679,635	258,324	286,898	59,358	6,579
1966	13,772,851	488,777	13,284,074	5,308,626	3,906,604	3,497,745	240,978	266,626	58,006	5,489
1965	12,886,621	450,470	12,436,151	4,972,016	3,627,566	3,297,495	226,297	247,918	59,772	5,087

Note: Total may not equal sum of components due to independent rounding.
† Includes revenue from sales to non-investor-owned electric utilities, from exports and other electric revenues.
** Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*
p Preliminary. r Revised.

TABLE 58

REVENUES IN PERCENT OF TOTAL
TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE

Year	Residential	Commercial	Industrial	Street & Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
1985p	**39.4%**	**29.5%**	**27.7%**	**1.0%**	**2.1%**	**0.2%**	**0.1%**
1984r	39.3	28.8	28.5	1.0	2.1	0.2	0.1
1983	39.5	28.6	28.3	1.0	2.2	0.3	0.1
1982	38.8	28.1	29.5	1.0	2.2	0.2	0.2
1981	38.6	28.2	29.7	1.1	2.0	0.2	0.2
1980	39.4	28.7	28.6	1.1	1.9	0.2	0.1
1979	38.7	28.0	29.9	1.1	1.9	0.2	0.2
1978	39.2	28.2	29.0	1.2	1.9	0.3	0.2
1977	39.4	28.8	28.2	1.2	2.0	0.2	0.2
1976	39.6	28.5	28.0	1.4	2.1	0.3	0.1
1975	40.1	28.8	27.1	1.4	2.1	0.4	0.1
1974	40.1	28.6	27.3	1.5	2.0	0.4	0.1
1973	41.6	28.9	25.5	1.6	2.0	0.3	0.1
1972	42.0	28.8	25.0	1.6	2.1	0.3	0.2
1971	42.4	28.6	24.8	1.7	2.1	0.3	0.1
1970	42.7	28.5	24.6	1.7	2.1	0.3	0.1
1969	42.4	28.3	25.0	1.8	2.1	0.3	0.1
1968	42.0	28.6	25.2	1.8	2.0	0.3	0.1
1967	41.7	28.7	25.3	1.8	2.0	0.4	0.1
1966	41.6	28.7	25.5	1.7	2.0	0.4	0.1
1965	41.8	28.5	25.6	1.7	1.9	0.4	0.1

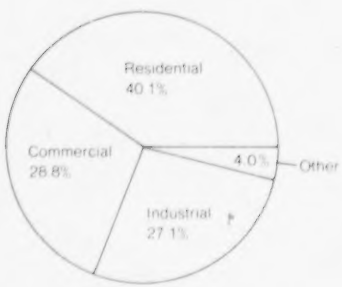
Based on revenue data in Table 56. p Preliminary. r Revised.

CHART VIII-B

REVENUE

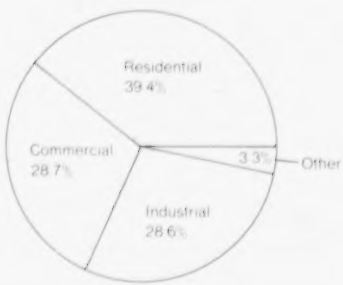
BY YEAR AND CLASS OF SERVICE
TOTAL ELECTRIC UTILITY INDUSTRY
THOUSANDS OF DOLLARS

1975 REVENUE



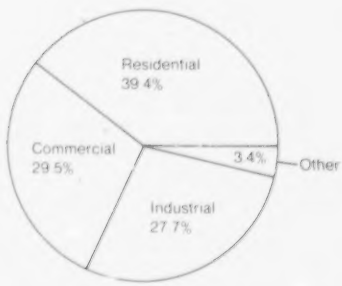
Total Revenue = $46,853,456

1980 REVENUE



Total Revenue = $95,462,381

1985 REVENUE



Total Revenue = $149,835,987

Based on Table 58, as shown above.

TABLE 59A

REVENUES
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE
YEAR 1985p—THOUSANDS OF DOLLARS

Division/State	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**$149,835,987**	**$58,972,834**	**$44,236,501**	**$41,445,269**	**$1,424,789**	**$3,217,778**	**$313,138**	**$225,679**
Maine	676,070	276,779	167,707	213,203	10,415	7,873	–	92
New Hampshire	568,342	254,686	124,396	178,294	7,018	3,945	–	4
Vermont	310,865	137,469	63,954	94,368	2,499	12,524	–	51
Massachusetts	3,139,380	1,172,191	1,215,445	661,383	51,184	39,177	–	–
Rhode Island	455,936	179,983	158,627	102,016	6,585	8,724	–	–
Connecticut	2,118,510	861,826	750,053	461,801	32,531	2,756	8,924	618
New England	**7,269,102**	**2,882,933**	**2,480,182**	**1,711,065**	**110,233**	**74,999**	**8,924**	**765**
New York	10,257,897	3,561,276	4,288,612	1,572,606	144,782	530,358	158,349	1,914
New Jersey	5,150,285	1,888,290	1,959,198	1,227,511	72,643	403	363	1,877
Pennsylvania	7,245,640	2,790,930	1,780,600	2,518,191	87,994	10,446	53,151	4,329
Middle Atlantic	**22,653,822**	**8,240,496**	**8,028,411**	**5,318,307**	**305,420**	**541,206**	**211,863**	**8,119**
Ohio	7,126,196	2,609,051	1,783,741	2,488,007	57,993	182,578	3,695	1,131
Indiana	3,393,031	1,335,966	648,071	1,358,619	33,030	12,909	1,383	3,053
Illinois	7,151,628	2,700,389	2,207,345	1,795,232	43,280	379,465	25,861	57
Michigan	4,909,483	1,640,279	1,311,064	1,847,740	58,655	48,405	–	3,340
Wisconsin	2,387,813	1,002,043	692,251	648,661	26,557	14,112	–	4,188
East North Central	**24,968,151**	**9,287,728**	**6,642,471**	**8,138,259**	**219,515**	**637,469**	**30,939**	**11,769**
Minnesota	2,087,238	879,524	375,613	792,781	20,891	18,261	–	168
Iowa	1,652,572	754,819	400,141	446,474	18,896	32,184	–	57
Missouri	2,653,326	1,220,196	672,128	500,308	25,103	34,508	525	560
North Dakota	394,671	183,388	99,706	94,612	3,411	13,455	–	100
South Dakota	331,252	179,090	98,567	42,501	3,104	7,989	–	1
Nebraska	833,551	375,137	276,610	148,809	11,912	19,857	–	1,226
Kansas	1,762,040	705,237	616,459	406,836	14,084	19,278	–	145
West North Central	**9,714,650**	**4,297,391**	**2,739,223**	**2,432,322**	**97,402**	**145,531**	**525**	**2,257**
Delaware	460,352	179,243	128,938	148,090	2,726	1,154	–	201
Maryland	2,488,478	1,042,239	652,556	740,789	33,540	6,166	11,558	1,630
District of Columbia	580,691	85,419	314,813	157,018	7,740	–	15,701	–
Virginia	3,310,809	1,492,876	896,616	577,663	31,575	310,719	1,360	–
West Virginia	999,408	394,184	236,834	360,732	5,937	1,709	–	12
North Carolina	4,404,533	1,917,357	1,080,459	1,313,059	26,679	65,465	–	1,514
South Carolina	2,529,427	1,029,169	545,258	899,558	8,772	46,272	–	398
Georgia	3,838,202	1,624,054	1,105,850	1,059,231	26,484	16,809	5,774	–
Florida	8,477,691	4,559,606	2,650,350	1,010,937	70,218	175,485	3,985	7,110
South Atlantic	**27,089,591**	**12,324,147**	**7,611,674**	**6,267,079**	**213,671**	**623,778**	**38,378**	**10,864**
Kentucky	2,587,102	857,548	431,261	1,024,410	13,861	257,456	–	2,566
Tennessee	3,372,053	1,256,064	379,012	1,704,668	24,225	2,714	–	5,370
Alabama	3,069,433	1,207,854	639,809	1,198,332	18,416	2,416	–	2,605
Mississippi	1,540,136	671,008	404,840	433,226	11,559	19,224	–	279
East South Central	**10,568,724**	**3,992,473**	**1,854,923**	**4,360,637**	**68,060**	**281,811**	**–**	**10,820**
Arkansas	1,481,991	681,373	338,763	430,846	8,718	22,291	–	–
Louisiana	3,615,916	1,425,561	844,670	1,140,780	22,824	101,914	–	80,166
Oklahoma	2,062,699	926,968	588,567	445,564	12,360	89,241	–	–
Texas	13,347,127	5,369,719	3,626,219	3,920,640	87,241	329,703	–	13,606
West South Central	**20,507,734**	**8,403,621**	**5,398,219**	**5,937,830**	**131,143**	**543,149**	**–**	**93,772**
Montana	429,642	163,074	112,860	145,034	4,952	3,119	–	602
Idaho	591,898	245,060	182,424	160,184	3,185	1,046	–	–
Wyoming	447,039	103,730	117,829	220,616	1,843	2,811	–	210
Colorado	1,584,513	613,156	695,531	243,444	19,538	12,844	–	*
New Mexico	846,296	269,868	311,498	217,598	6,477	36,120	–	4,734
Arizona	2,329,400	1,000,672	804,084	453,740	27,698	27,208	1,536	14,461
Utah	877,040	313,116	291,711	233,791	6,096	32,267	–	60
Nevada	638,250	264,022	189,325	170,169	4,977	9,755	–	2
Mountain	**7,744,077**	**2,972,698**	**2,705,262**	**1,844,576**	**74,766**	**125,168**	**1,536**	**20,070**
Washington	2,417,030	1,088,998	585,528	691,123	18,214	32,073	537	557
Oregon	1,584,723	652,436	500,324	414,766	14,187	2,797	–	213
California	14,309,518	4,465,880	5,362,874	4,032,106	163,089	198,679	20,436	66,454
Pacific	**18,311,271**	**6,207,314**	**6,448,725**	**5,137,995**	**195,489**	**233,549**	**20,973**	**67,225**
Alaska	336,399	150,605	147,987	23,570	3,103	11,117	–	16
Hawaii	672,465	213,428	179,423	273,628	5,986	–	–	–
Alaska & Hawaii	**1,008,865**	**364,033**	**327,411**	**297,198**	**9,089**	**11,117**	**–**	**16**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary.
** Less than five hundred dollars.*

TABLE 598

REVENUES
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE

YEAR 1984r—THOUSANDS OF DOLLARS

Division/State	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**$143,092,504**	**$56,116,141**	**$41,253,720**	**$40,795,789**	**$1,375,931**	**$3,044,623**	**$302,725**	**$203,574**
Maine	626,790	257,832	152,408	199,330	9,585	7,548	–	86
New Hampshire	573,227	258,528	122,497	180,798	7,497	3,905	–	2
Vermont	276,961	125,054	54,821	82,730	2,311	11,998	–	46
Massachusetts	3,323,123	1,238,750	1,263,910	720,088	54,333	43,403	2,638	–
Rhode Island	470,254	184,552	158,766	111,358	6,787	8,791	–	–
Connecticut	2,113,862	862,307	728,067	481,046	33,107	2,579	6,048	710
New England	**7,384,217**	**2,927,022**	**2,480,470**	**1,775,350**	**113,620**	**78,224**	**8,686**	**844**
New York	10,098,325	3,484,538	3,936,765	1,836,423	147,471	525,134	165,865	2,128
New Jersey	4,803,561	1,796,881	1,762,324	1,171,563	70,236	391	357	1,810
Pennsylvania	6,912,902	2,646,846	1,656,808	2,460,550	82,519	10,726	51,024	4,429
Middle Atlantic	**21,814,789**	**7,928,265**	**7,355,897**	**5,468,537**	**300,226**	**536,251**	**217,247**	**8,367**
Ohio	6,918,692	2,558,052	1,694,096	2,434,025	54,597	173,295	3,413	1,213
Indiana	3,314,531	1,309,334	612,935	1,340,302	33,014	12,426	1,380	5,140
Illinois	7,099,754	2,678,061	2,185,857	1,807,089	41,188	363,564	23,907	88
Michigan	4,549,617	1,546,638	1,194,850	1,709,674	54,922	41,025	–	2,507
Wisconsin	2,370,660	989,490	682,701	653,697	27,170	13,603	–	3,999
East North Central	**24,253,254**	**9,081,575**	**6,370,439**	**7,944,786**	**210,892**	**603,914**	**28,700**	**12,948**
Minnesota	2,052,156	859,999	360,758	791,959	20,680	18,542	–	218
Iowa	1,641,708	745,196	394,711	454,033	18,325	29,411	–	29
Missouri	2,434,601	1,133,580	785,680	457,252	22,853	34,080	556	601
North Dakota	383,613	177,852	94,249	94,519	3,312	13,487	–	195
South Dakota	320,084	176,269	91,440	41,763	3,047	7,564	–	*
Nebraska	820,488	374,675	272,410	142,890	11,193	18,598	–	722
Kansas	1,764,080	714,780	603,082	412,775	13,835	19,488	–	120
West North Central	**9,416,730**	**4,182,352**	**2,602,331**	**2,395,191**	**93,245**	**141,170**	**556**	**1,885**
Delaware	444,732	176,560	121,443	142,759	2,661	1,114	–	194
Maryland	2,307,677	971,634	612,651	674,716	32,188	6,600	8,310	1,578
District of Columbia	533,323	79,127	284,865	144,139	11,591	–	13,601	–
Virginia	3,207,865	1,452,262	855,485	573,675	29,481	292,019	1,628	3,314
West Virginia	976,830	382,801	221,087	365,821	5,404	1,686	–	32
North Carolina	4,109,419	1,839,587	1,003,925	1,181,472	24,539	58,488	–	1,410
South Carolina	2,339,578	957,702	491,333	841,962	8,456	39,747	–	379
Georgia	3,669,278	1,559,153	1,024,557	1,039,974	25,207	16,122	4,264	–
Florida	7,711,503	4,090,804	2,410,396	969,672	67,080	165,846	940	6,766
South Atlantic	**25,300,206**	**11,509,629**	**7,025,743**	**5,934,191**	**206,607**	**581,621**	**28,744**	**13,672**
Kentucky	2,529,014	844,463	403,768	1,038,338	13,266	225,947	–	3,232
Tennessee	3,384,642	1,247,123	363,970	1,740,943	23,078	2,842	–	6,685
Alabama	3,012,713	1,171,986	604,366	1,213,791	17,372	2,254	–	2,943
Mississippi	1,442,041	623,879	362,106	427,189	10,816	17,674	–	377
East South Central	**10,368,410**	**3,887,451**	**1,734,210**	**4,420,261**	**64,534**	**248,718**	**–**	**13,237**
Arkansas	1,436,941	647,479	312,859	442,204	8,234	26,165	–	–
Louisiana	3,401,428	1,309,852	761,906	1,141,363	21,204	101,471	–	65,632
Oklahoma	1,941,629	881,617	547,048	422,047	10,724	80,193	–	–
Texas	12,977,865	5,041,060	3,455,008	4,072,284	83,849	299,855	–	25,809
West South Central	**19,757,863**	**7,880,008**	**5,076,821**	**6,077,898**	**124,010**	**507,684**	**–**	**91,442**
Montana	392,917	145,234	99,995	140,986	3,601	2,506	–	594
Idaho	551,514	230,603	162,789	153,982	3,127	1,013	–	–
Wyoming	412,434	99,859	110,033	198,195	1,717	2,427	–	204
Colorado	1,499,084	585,818	655,959	226,273	18,637	12,397	–	*
New Mexico	761,846	245,031	282,888	188,728	6,057	35,836	–	3,306
Arizona	2,124,591	910,430	716,318	434,537	25,446	23,833	1,540	12,486
Utah	813,177	291,576	263,606	220,292	5,700	31,939	–	64
Nevada	585,739	241,849	172,239	159,433	4,679	7,538	–	–
Mountain	**7,141,303**	**2,750,401**	**2,463,827**	**1,722,426**	**68,964**	**117,490**	**1,540**	**16,654**
Washington	2,410,016	1,007,735	531,411	824,305	17,277	28,321	486	482
Oregon	1,534,729	598,081	465,722	453,932	13,679	2,791	–	525
California	12,709,270	4,011,403	4,829,192	3,466,995	153,743	187,683	16,755	43,498
Pacific	**16,654,015**	**5,617,218**	**5,826,324**	**4,745,233**	**184,700**	**218,795**	**17,241**	**44,505**
Alaska	298,858	134,777	133,186	17,272	2,832	10,756	12	22
Hawaii	702,860	217,443	184,472	294,643	6,303	–	–	–
Alaska & Hawaii	**1,001,717**	**352,220**	**317,657**	**311,915**	**9,135**	**10,756**	**12**	**22**

Note: Total may not equal sum of components due to independent rounding.

r Revised.

** Less than five hundred dollars.*

TABLE 60A

REVENUES
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE
YEAR 1985p—THOUSANDS OF DOLLARS

Division/State	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**$118,902,159**	**$44,670,355**	**$37,251,178**	**$33,207,651**	**$1,159,848**	**$2,285,783**	**$157,728**	**$169,617**
Maine	656,818	266,000	164,646	208,669	10,080	7,423	–	–
New Hampshire	525,537	227,884	111,802	175,301	6,891	3,658	–	–
Vermont	247,167	105,380	52,745	75,292	1,979	11,770	–	–
Massachusetts	2,764,325	1,023,235	1,131,998	538,985	47,393	22,714	–	–
Rhode Island	453,564	178,423	158,307	101,544	6,565	8,724	–	–
Connecticut	2,017,946	832,082	725,481	420,180	31,347	–	6,857	–
New England	**6,665,356**	**2,633,004**	**2,344,979**	**1,519,972**	**104,255**	**54,289**	**6,857**	**–**
New York	9,523,620	3,515,998	4,271,311	1,434,126	86,178	207,101	6,993	1,914
New Jersey	5,082,635	1,855,011	1,947,126	1,206,015	72,244	–	363	1,877
Pennsylvania	7,051,587	2,653,502	1,748,496	2,495,673	87,101	9,336	53,151	4,329
Middle Atlantic	**21,657,842**	**8,024,510**	**7,966,932**	**5,135,814**	**245,524**	**216,437**	**60,506**	**8,119**
Ohio	6,609,290	2,312,485	1,684,758	2,376,028	56,288	174,905	3,695	1,131
Indiana	2,876,271	994,868	571,027	1,269,095	28,713	8,132	1,383	3,053
Illinois	6,648,363	2,401,894	2,066,845	1,741,244	42,777	369,686	25,861	57
Michigan	4,478,060	1,468,934	1,187,573	1,724,825	49,209	44,179	–	3,340
Wisconsin	2,032,238	799,904	616,024	580,191	22,898	11,397	–	1,824
East North Central	**22,644,222**	**7,978,086**	**6,126,225**	**7,691,383**	**199,885**	**608,299**	**30,939**	**9,405**
Minnesota	1,376,707	423,505	230,280	693,682	16,097	12,974	–	168
Iowa	1,276,234	504,329	351,081	381,071	17,741	21,955	–	57
Missouri	1,990,034	809,262	744,684	397,287	22,879	15,843	–	78
North Dakota	212,698	96,061	53,753	54,924	3,278	4,582	–	99
South Dakota	186,204	81,827	67,999	31,879	2,596	1,903	–	1
Nebraska	–	–	–	–	–	–	–	–
Kansas	1,041,198	414,770	355,278	256,650	12,910	1,445	–	145
West North Central	**6,083,076**	**2,329,754**	**1,803,076**	**1,815,493**	**75,502**	**58,703**	**–**	**548**
Delaware	357,296	132,014	107,861	114,520	2,700	–	–	201
Maryland	2,337,170	950,570	613,936	726,635	32,841	–	11,558	1,630
District of Columbia	580,691	85,419	314,813	157,018	7,740	–	15,701	–
Virginia	2,924,897	1,264,251	820,437	510,671	29,003	299,175	1,360	–
West Virginia	994,854	390,954	236,193	360,132	5,933	1,630	–	12
North Carolina	3,251,153	1,283,619	854,602	1,042,796	21,441	48,426	–	269
South Carolina	1,776,084	632,446	425,058	687,842	8,248	22,092	–	398
Georgia	2,642,675	857,010	850,649	902,427	22,489	4,325	5,774	–
Florida	6,623,141	3,554,595	2,190,899	659,984	51,641	154,927	3,985	7,110
South Atlantic	**21,487,961**	**9,150,877**	**6,414,448**	**5,162,026**	**182,037**	**530,574**	**38,378**	**9,619**
Kentucky	1,402,607	464,914	320,489	350,417	9,946	256,799	–	41
Tennessee	60,717	24,809	13,001	21,214	366	1,327	–	–
Alabama	1,865,828	684,970	453,651	717,078	10,044	–	–	85
Mississippi	821,409	304,617	248,890	242,538	8,419	16,946	–	–
East South Central	**4,150,561**	**1,479,309**	**1,036,031**	**1,331,248**	**28,774**	**275,073**	**–**	**126**
Arkansas	1,045,202	415,151	249,517	354,116	7,264	19,154	–	–
Louisiana	2,943,737	1,007,811	675,244	1,066,614	22,702	91,200	–	80,166
Oklahoma	1,535,323	625,977	441,233	368,386	12,164	87,563	–	–
Texas	10,733,077	4,052,438	2,876,002	3,505,336	73,259	225,142	–	900
West South Central	**16,257,339**	**6,101,377**	**4,241,996**	**5,294,451**	**115,389**	**423,059**	**–**	**81,067**
Montana	275,300	104,960	79,077	83,931	4,795	2,006	–	531
Idaho	508,512	203,116	154,919	147,431	2,947	99	–	–
Wyoming	269,952	57,338	52,768	157,177	1,792	666	–	210
Colorado	1,056,296	380,699	517,275	135,589	16,253	6,480	–	–
New Mexico	599,558	194,987	217,724	147,254	5,452	30,244	–	3,897
Arizona	1,371,734	566,033	492,524	283,208	12,840	10,924	–	6,206
Utah	707,975	255,826	210,243	207,435	5,838	28,598	–	34
Nevada	599,525	252,926	175,735	156,470	4,977	9,418	–	–
Mountain	**5,388,852**	**2,015,886**	**1,900,265**	**1,318,495**	**54,893**	**88,435**	**–**	**10,878**
Washington	998,706	555,510	315,214	118,266	9,714	1	–	–
Oregon	1,257,470	516,389	422,984	304,086	13,653	313	–	45
California	11,614,192	3,661,465	4,491,826	3,238,187	124,094	29,761	19,049	49,809
Pacific	**13,870,368**	**4,733,365**	**5,230,025**	**3,660,539**	**147,462**	**30,075**	**19,049**	**49,854**
Alaska	24,118	10,758	7,778	4,602	141	839	–	–
Hawaii	672,465	213,428	179,423	273,628	5,986	–	–	–
Alaska & Hawaii	**696,583**	**224,186**	**187,202**	**278,230**	**6,127**	**839**	**–**	**–**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary.

TABLE 60B

REVENUES
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE
YEAR 1984r—THOUSANDS OF DOLLARS

Division/State	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**$113,338,077**	**$42,474,833**	**$34,720,332**	**$32,605,010**	**$1,119,279**	**$2,144,129**	**$142,578**	**$131,916**
Maine	607,970	247,288	149,050	195,243	9,274	7,115	–	–
New Hampshire	531,556	232,344	110,501	177,736	7,366	3,610	–	–
Vermont	220,144	95,847	45,212	65,980	1,817	11,288	–	–
Massachusetts	2,925,252	1,081,636	1,178,286	586,968	50,190	25,535	2,638	–
Rhode Island	467,794	182,951	158,445	110,841	6,768	8,789	–	–
Connecticut	2,013,510	832,961	704,705	437,849	31,947	–	6,048	–
New England	**6,766,226**	**2,673,026**	**2,346,200**	**1,574,617**	**107,362**	**56,335**	**8,686**	**–**
New York	9,356,188	3,440,444	3,920,514	1,696,506	86,552	200,714	9,542	1,916
New Jersey	4,738,572	1,765,229	1,750,968	1,150,361	69,848	–	357	1,810
Pennsylvania	6,731,785	2,519,633	1,627,823	2,437,514	81,667	9,696	51,024	4,429
Middle Atlantic	**20,826,545**	**7,725,306**	**7,299,305**	**5,284,380**	**238,067**	**210,410**	**60,923**	**8,154**
Ohio	6,414,556	2,264,986	1,600,048	2,325,896	52,980	166,019	3,413	1,213
Indiana	2,819,524	981,621	541,062	1,254,165	28,525	7,630	1,380	5,140
Illinois	6,619,222	2,392,951	2,052,398	1,753,110	40,706	356,061	23,907	88
Michigan	4,137,842	1,379,132	1,078,428	1,593,658	46,274	37,842	–	2,507
Wisconsin	2,022,621	792,761	608,467	585,261	23,513	11,003	–	1,617
East North Central	**22,013,765**	**7,811,451**	**5,880,403**	**7,512,091**	**191,999**	**578,556**	**28,700**	**10,566**
Minnesota	1,356,827	413,866	221,254	692,259	15,853	13,376	–	218
Iowa	1,274,115	501,991	347,895	387,096	17,250	19,854	–	29
Missouri	1,801,097	735,605	667,831	361,806	20,795	14,973	–	87
North Dakota	213,766	95,698	52,638	57,561	3,179	4,495	–	195
South Dakota	178,448	80,710	62,710	30,678	2,551	1,799	–	*
Nebraska	–	–	–	–	–	–	–	–
Kansas	1,036,249	417,249	344,825	259,956	12,618	1,480	–	120
West North Central	**5,860,503**	**2,245,119**	**1,697,154**	**1,789,356**	**72,245**	**55,978**	**–**	**650**
Delaware	345,277	130,466	101,607	110,371	2,639	–	–	194
Maryland	2,166,574	885,024	575,931	663,220	31,545	966	8,310	1,578
District of Columbia	533,323	79,127	284,865	144,139	11,591	–	13,601	–
Virginia	2,825,904	1,226,610	776,776	513,507	27,017	280,366	1,628	–
West Virginia	972,405	379,665	220,637	365,057	5,402	1,612	–	32
North Carolina	3,109,049	1,234,252	793,601	1,018,134	19,726	43,052	–	283
South Carolina	1,664,118	600,235	390,104	645,141	8,016	20,244	–	379
Georgia	2,525,096	819,469	788,885	886,829	21,534	4,116	4,264	–
Florida	6,026,935	3,179,059	1,992,757	651,803	48,806	146,804	940	6,766
South Atlantic	**20,168,680**	**8,533,906**	**5,925,163**	**4,998,201**	**176,275**	**497,160**	**28,744**	**9,232**
Kentucky	1,324,401	450,831	300,331	337,640	9,661	225,329	–	609
Tennessee	58,198	24,733	12,323	19,602	330	1,210	–	–
Alabama	1,796,478	664,286	430,400	692,177	9,519	–	–	96
Mississippi	764,300	279,251	225,776	235,875	7,738	15,660	–	–
East South Central	**3,943,377**	**1,419,101**	**968,830**	**1,285,295**	**27,247**	**242,199**	**–**	**705**
Arkansas	1,006,005	385,934	227,174	363,295	6,605	22,997	–	–
Louisiana	2,797,278	938,427	609,461	1,071,059	21,093	91,605	–	65,632
Oklahoma	1,427,209	587,606	405,076	345,365	10,549	78,613	–	–
Texas	10,471,790	3,808,726	2,724,729	3,667,550	70,170	199,816	–	800
West South Central	**15,702,282**	**5,720,693**	**3,966,440**	**5,447,269**	**108,416**	**393,032**	**–**	**66,432**
Montana	238,540	93,099	69,407	70,503	3,442	1,522	–	568
Idaho	474,106	191,225	138,682	141,222	2,896	81	–	–
Wyoming	245,261	54,808	48,404	139,684	1,672	491	–	204
Colorado	999,733	364,573	484,598	128,483	15,592	6,487	–	–
New Mexico	563,376	183,579	199,496	142,167	5,114	30,464	–	2,555
Arizona	1,265,513	518,463	445,812	274,651	12,453	10,501	–	3,634
Utah	655,605	238,398	189,470	196,466	5,460	25,779	–	31
Nevada	553,102	231,899	160,171	149,092	4,679	7,262	–	–
Mountain	**4,995,237**	**1,876,044**	**1,736,040**	**1,242,267**	**51,308**	**82,586**	**–**	**6,992**
Washington	916,359	509,800	285,298	111,954	9,307	1	–	–
Oregon	1,168,171	468,031	392,212	294,148	13,119	300	–	361
California	10,252,522	3,266,358	4,030,863	2,766,527	117,513	26,924	15,512	28,825
Pacific	**12,337,052**	**4,244,189**	**4,708,372**	**3,172,629**	**139,939**	**27,225**	**15,512**	**29,186**
Alaska	21,550	8,554	7,953	4,263	118	649	12	–
Hawaii	702,860	217,443	184,472	294,643	6,303	–	–	–
Alaska & Hawaii	**724,410**	**225,997**	**192,425**	**298,905**	**6,421**	**649**	**12**	**–**

Note: Total may not equal sum of components due to independent rounding.
r Revised.
** Less than five hundred dollars.*

TABLE 61

REVENUES
TOTAL ELECTRIC UTILITY INDUSTRY

BY QUARTER AND CLASS OF SERVICE
1980-1985 – THOUSANDS OF DOLLARS

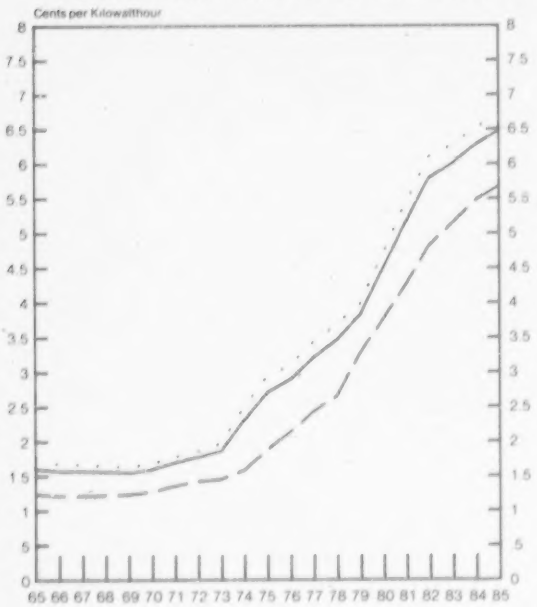
Year – Quarter	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
YEAR – 1985p								
First Quarter	$ 36,902,147	$15,258,465	$10,308,420	$10,062,135	$ 362,781	$ 779,667	$ 79,482	$ 51,197
Second Quarter	35,161,730	12,893,883	10,626,209	10,376,474	349,369	788,411	72,546	54,838
Third Quarter	41,625,146	16,972,337	12,455,258	10,842,077	358,221	851,561	81,209	64,483
Fourth Quarter	36,146,965	13,848,149	10,846,614	10,164,583	354,418	798,139	79,900	55,162
Total	**$149,835,987**	**$58,972,834**	**$44,236,501**	**$41,445,269**	**$1,424,789**	**$3,217,778**	**$313,138**	**$225,679**
YEAR – 1984r								
First Quarter	$ 34,722,044	$14,377,830	$ 9,511,784	$ 9,633,803	$ 343,630	$ 736,404	$ 76,587	$ 42,006
Second Quarter	33,455,487	12,356,594	9,731,940	10,183,560	334,520	731,098	71,322	46,453
Third Quarter	40,284,362	16,304,756	11,860,912	10,819,381	350,557	813,464	77,858	57,434
Fourth Quarter	34,630,610	13,076,961	10,149,085	10,159,044	347,224	763,657	76,958	57,681
Total	**$143,092,504**	**$56,116,141**	**$41,253,720**	**$40,795,789**	**$1,375,931**	**$3,044,623**	**$302,725**	**$203,574**
YEAR – 1983								
First Quarter	$ 30,583,012	$12,412,872	$ 8,510,712	$ 8,526,308	$ 334,860	$ 686,136	$ 77,160	$ 34,963
Second Quarter	29,337,252	10,887,230	8,574,493	8,778,599	316,158	673,477	67,335	39,960
Third Quarter	37,733,929	15,847,346	10,820,922	9,848,254	335,140	761,923	73,698	46,645
Fourth Quarter	31,934,609	12,078,798	9,197,249	9,458,469	338,797	742,501	78,573	40,221
Total	**$129,588,801**	**$51,226,246**	**$37,103,377**	**$36,611,630**	**$1,324,955**	**$2,864,037**	**$296,766**	**$161,790**
YEAR – 1982								
First Quarter	$ 30,463,093	$12,200,151	$ 8,280,893	$ 8,899,615	$ 318,995	$ 642,501	$ 72,685	$ 48,253
Second Quarter	28,541,959	10,501,618	8,055,672	8,907,001	302,569	664,163	71,559	39,377
Third Quarter	33,376,269	13,260,202	9,542,893	9,441,965	287,525	714,244	80,494	48,946
Fourth Quarter	29,202,910	11,226,156	8,271,382	8,633,164	345,341	612,841	67,013	47,013
Total	**$121,584,231**	**$47,188,127**	**$34,150,840**	**$35,881,745**	**$1,254,430**	**$2,633,749**	**$291,751**	**$183,589**
YEAR – 1981								
First Quarter	$ 25,682,789	$10,110,046	$ 7,089,319	$ 7,546,365	$ 296,607	$ 544,260	$ 62,824	$ 33,368
Second Quarter	26,237,122	9,710,858	7,438,965	8,162,872	289,770	538,458	56,853	39,346
Third Quarter	31,854,949	12,784,247	9,067,498	8,996,668	289,742	612,061	56,506	48,227
Fourth Quarter	27,226,313	10,219,306	7,729,540	8,324,188	292,572	552,528	62,371	45,808
Total	**$111,001,173**	**$42,824,457**	**$31,325,322**	**$33,030,093**	**$1,168,691**	**$2,247,307**	**$238,554**	**$166,749**
YEAR – 1980								
First Quarter	$ 22,255,055	$ 9,012,476	$ 6,139,359	$ 6,343,392	$ 248,705	$ 423,601	$ 52,174	$ 35,348
Second Quarter	21,956,565	8,176,526	6,380,759	6,636,811	255,417	430,125	49,864	27,063
Third Quarter	27,130,771	11,255,679	7,907,105	7,130,519	263,211	486,375	52,362	35,520
Fourth Quarter	24,119,990	9,136,211	6,942,740	7,206,048	273,675	470,964	53,283	37,069
Total	**$ 95,462,381**	**$37,580,892**	**$27,369,963**	**$27,316,770**	**$1,041,008**	**$1,811,065**	**$207,683**	**$135,000**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary. r Revised.

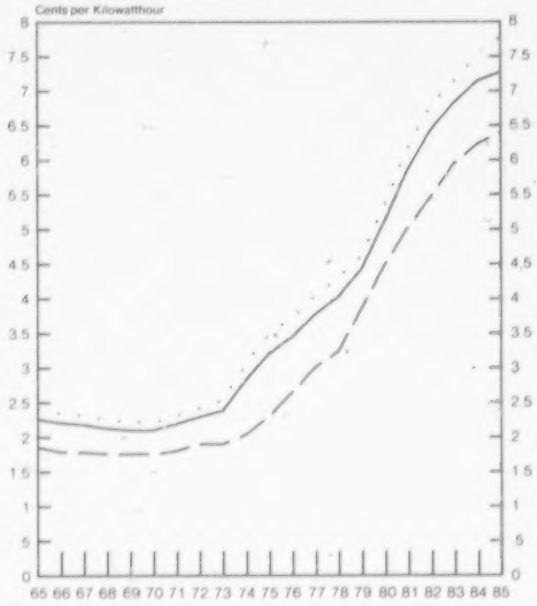
CHART VIII-C

AVERAGE REVENUES PER KWH SOLD

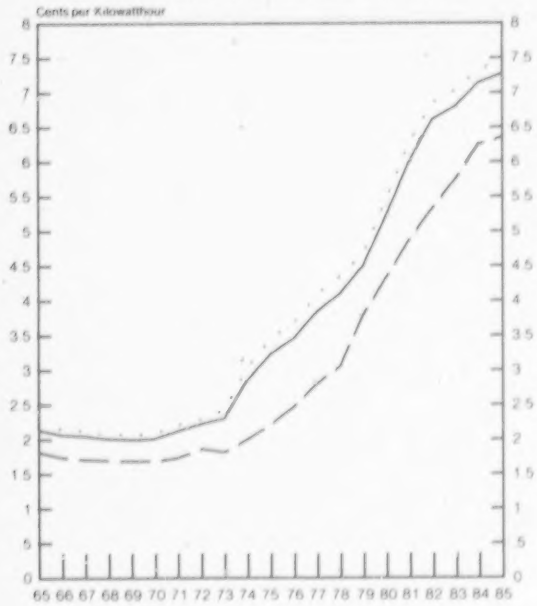
TOTAL ULTIMATE CUSTOMERS



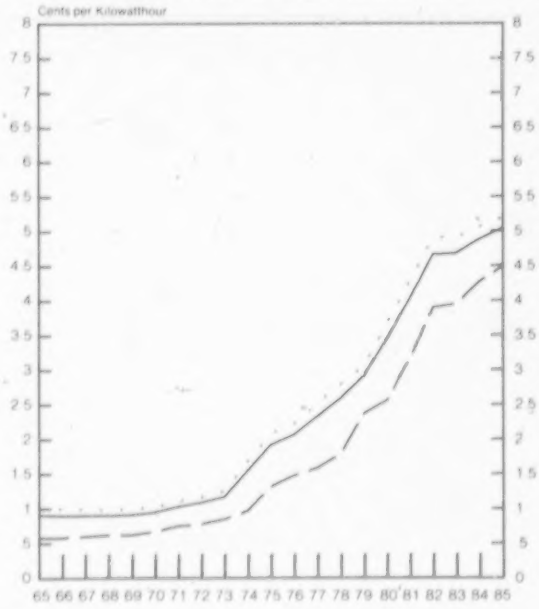
RESIDENTIAL CUSTOMERS



COMMERCIAL CUSTOMERS



INDUSTRIAL CUSTOMERS



Investor Owned . . . . . Total Industry _____ Non-Investor Owned _ _ _

Based on sales data in Tables 38 and 39, page 44, and revenue data in Tables 56 and 57, page 64.

TABLE 62

AVERAGE REVENUES PER KILOWATTHOUR SOLD TOTAL ELECTRIC UTILITY INDUSTRY

CENTS PER KILOWATTHOUR

Year	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Total Ultimate Customers
1985p	**7.40¢**	**7.27¢**	**5.04¢**	**10.21¢**	**5.10¢**	**6.67¢**	**6.47¢**
1984r	7.17	7.14	4.88	9.69	5.08	6.75	6.27
1983	6.83	6.80	4.68	9.50	5.00	6.90	6.00
1982	6.44	6.61	4.66	8.81	4.72	6.80	5.79
1981	5.86	6.00	4.03	7.96	4.18	5.67	5.16
1980	5.12	5.22	3.44	7.02	3.75	4.86	4.49
1979	4.43	4.50	2.91	6.21	3.06	4.43	3.82
1978	4.03	4.10	2.59	5.74	2.73	3.92	3.46
1977	3.78	3.84	2.33	5.39	2.69	3.46	3.21
1976	3.45	3.46	2.07	5.03	2.44	3.78	2.89
1975	3.21	3.23	1.92	4.74	2.24	3.72	2.70
1974	2.83	2.85	1.55	4.31	1.92	3.43	2.30
1973	2.38	2.30	1.17	3.83	1.47	2.20	1.86
1972	2.29	2.22	1.09	3.69	1.37	1.92	1.77
1971	2.19	2.12	1.03	3.53	1.29	1.72	1.69
1970	2.10	2.01	0.95	3.38	1.20	1.49	1.59
1969	2.09	1.99	0.91	3.25	1.16	1.39	1.54
1968	2.12	2.00	0.90	3.18	1.18	1.35	1.55
1967	2.17	2.04	0.90	3.12	1.19	1.33	1.56
1966	2.20	2.06	0.89	3.05	1.24	1.31	1.56
1965	2.25	2.13	0.90	2.99	1.34	1.31	1.59

Based on sales data in Table 38 and revenue data in Table 56. p Preliminary. r Revised.

TABLE 63

AVERAGE REVENUES PER KILOWATTHOUR SOLD INVESTOR-OWNED ELECTRIC UTILITIES

CENTS PER KILOWATTHOUR

Year	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Total Ultimate Customers
1985p	**7.79¢**	**7.47¢**	**5.20¢**	**11.22¢**	**5.25¢**	**7.00¢**	**6.72¢**
1984r	7.53	7.33	5.07	10.78	5.26	6.97	6.52
1983	7.15	7.04	4.90	10.13	5.22	6.55	6.27
1982	6.81	6.86	4.91	9.54	4.80	6.77	6.10
1981	6.19	6.28	4.29	8.55	4.36	6.20	5.45
1980	5.36	5.47	3.68	7.58	3.95	5.17	4.72
1979	4.63	4.68	3.06	6.60	3.33	3.80	3.99
1978	4.31	4.36	2.80	6.18	2.96	3.59	3.70
1977	4.06	4.10	2.52	5.79	2.90	3.68	3.44
1976	3.73	3.69	2.23	5.43	2.69	3.82	3.11
1975	3.51	3.46	2.09	5.14	2.51	3.79	2.94
1974	3.09	3.05	1.70	4.66	2.17	3.48	2.50
1973	2.54	2.42	1.26	4.12	1.61	2.22	1.97
1972	2.42	2.30	1.17	3.95	1.50	1.94	1.86
1971	2.32	2.21	1.11	3.78	1.42	1.73	1.78
1970	2.22	2.09	1.03	3.62	1.33	1.51	1.68
1969	2.21	2.06	0.99	3.51	1.29	1.40	1.63
1968	2.25	2.08	0.98	3.41	1.31	1.36	1.64
1967	2.31	2.12	0.99	3.36	1.32	1.34	1.66
1966	2.34	2.14	0.99	3.30	1.37	1.32	1.67
1965	2.40	2.21	1.00	3.20	1.40	1.32	1.70

Based on sales data in Table 39 and revenue data in Table 57. p Preliminary. r Revised.

TABLE 64

AVERAGE ANNUAL REVENUE PER CUSTOMER

Year	TOTAL ELECTRIC UTILITY INDUSTRY Total Ultimate Customers	Residential	Commercial	Year	INVESTOR-OWNED ELECTRIC UTILITIES Total Ultimate Customers	Residential	Commercial
1985p	**$1,488.97**	**$662.88**	**$4,170.74**	**1985p**	**$1,555.14**	**$660.93**	**$4,632.16**
1984r	1,452.62	643.75	3,939.57	1984r	1,511.99	640.47	4,346.35
1983	1,348.80	601.77	3,660.14	1983	1,397.10	599.44	4,011.41
1982	1,285.29	563.09	3,452.36	1982	1,338.79	562.54	3,867.11
1981	1,188.44	517.39	3,206.52	1981	1,239.87	514.38	3,499.79
1980	1,040.22	461.81	2,848.00	1980	1,083.26	457.29	3,022.55
1979	897.17	391.30	2,394.04	1979	928.41	387.34	2,555.09
1978	807.12	356.74	2,176.91	1978	858.50	363.56	2,384.37
1977	739.86	328.99	2,031.41	1977	789.43	336.24	2,234.30
1976	646.33	288.39	1,754.26	1976	692.11	297.14	1,942.05
1975	579.03	262.26	1,579.55	1975	626.39	275.86	1,763.39
1974	493.43	223.73	1,327.40	1974	534.25	234.33	1,474.97
1973	408.14	192.35	1,096.55	1973	433.66	197.38	1,197.68
1972	371.01	176.39	988.78	1972	391.66	179.49	1,071.15
1971	336.46	161.49	888.75	1971	354.57	163.64	961.77
1970	307.36	148.58	803.54	1970	321.42	149.42	861.21
1969	285.99	137.45	735.27	1969	298.71	138.06	784.21
1968	269.59	128.53	694.31	1968	281.36	128.95	739.04
1967	254.90	120.85	652.20	1967	264.84	120.93	688.26
1966	244.39	115.65	620.21	1966	255.02	116.19	655.03
1965	233.62	111.11	584.66	1965	243.97	111.32	617.08

Based on revenue data in Tables 56 and 57, and average number of customers per year. p Preliminary. r Revised.

TABLE 65A

REVENUE AND USE PER TOTAL ULTIMATE CUSTOMER

BY STATE – YEAR 1985p

Division/State	Total Electric Utility Industry			Investor-Owned Electric Utilities		
	Avg. Annual Revenue per Customers	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$1,488.97**	**6.47¢**	**23,005**	**$1,555.14**	**6.72¢**	**23,149**
Maine	1,193.17	6.88	17,343	1,213.23	6.86	17,688
New Hampshire	1,212.21	6.01	15,140	1,281.99	6.00	16,035
Vermont	1,194.43	7.13	16,748	1,228.22	6.98	17,605
Massachusetts	1,322.74	6.24	16,044	1,333.80	6.30	16,066
Rhode Island	1,154.26	8.40	13,744	1,157.77	8.39	13,800
Connecticut	1,613.15	9.03	17,855	1,607.19	9.11	17,632
New England	**1,351.79**	**8.24**	**16,410**	**1,367.98**	**8.28**	**16,529**
New York	1,532.20	9.07	16,898	1,454.20	9.86	14,755
New Jersey	1,704.65	9.57	17,811	1,712.60	9.57	17,887
Pennsylvania	1,487.38	7.24	20,552	1,519.28	7.22	21,041
Middle Atlantic	**1,552.95**	**8.48**	**18,307**	**1,529.70**	**8.75**	**17,472**
Ohio	1,610.11	5.73	28,082	1,690.08	5.70	29,641
Indiana	1,536.20	5.85	26,250	1,651.35	5.72	28,871
Illinois	1,553.68	7.21	21,535	1,579.27	7.16	22,062
Michigan	1,292.14	6.81	18,970	1,326.60	6.84	19,409
Wisconsin	1,142.14	5.74	19,887	1,173.34	5.74	20,430
East North Central	**1,457.76**	**6.32**	**23,065**	**1,512.66**	**6.29**	**24,047**
Minnesota	1,151.05	5.40	21,335	1,262.18	5.00	25,226
Iowa	1,300.61	6.47	20,115	1,375.95	6.52	21,089
Missouri	1,189.96	5.89	20,218	1,352.46	5.91	22,873
North Dakota	1,299.20	5.84	22,243	1,093.62	5.91	18,519
South Dakota	1,051.41	5.91	17,788	1,110.04	6.40	17,345
Nebraska	1,094.84	5.32	20,565	–	–	–
Kansas	1,321.64	6.48	20,388	1,410.25	6.26	22,536
West North Central	**1,210.23**	**5.90**	**20,496**	**1,325.22**	**5.86**	**22,631**
Delaware	1,718.97	7.27	23,656	1,839.32	6.93	26,552
Maryland	1,485.44	6.33	23,473	1,509.88	6.28	24,057
District of Columbia	2,824.06	7.07	39,946	2,824.06	7.07	39,946
Virginia	1,473.64	5.79	25,445	1,539.43	5.73	26,874
West Virginia	1,211.62	4.83	25,088	1,217.59	4.82	25,242
North Carolina	1,524.55	6.08	25,063	1,678.48	5.76	29,164
South Carolina	1,755.63	5.47	32,069	2,008.54	5.47	36,692
Georgia	1,431.20	5.77	24,824	1,801.05	5.74	31,401
Florida	1,541.77	7.64	20,175	1,569.17	7.55	20,791
South Atlantic	**1,527.85**	**6.33**	**24,131**	**1,631.07**	**6.23**	**26,192**
Kentucky	1,648.09	4.91	33,533	1,547.96	4.48	34,543
Tennessee	1,649.49	4.99	33,051	1,711.78	4.55	37,582
Alabama	1,638.56	6.13	26,710	1,792.83	5.87	30,527
Mississippi	1,411.86	5.83	24,225	1,655.13	5.94	27,862
East South Central	**1,606.64**	**5.37**	**29,897**	**1,674.58**	**5.31**	**31,563**
Arkansas	1,386.95	6.21	22,326	1,567.72	5.95	26,326
Louisiana	1,953.20	5.98	32,658	2,126.90	5.54	38,368
Oklahoma	1,342.73	5.83	23,028	1,455.58	5.58	26,086
Texas	1,900.39	6.28	30,250	2,147.06	6.13	35,016
West South Central	**1,786.49**	**6.17**	**28,935**	**2,005.96**	**5.95**	**33,711**
Montana	1,071.44	3.56	30,100	932.03	3.83	24,320
Idaho	1,321.36	3.63	36,360	1,361.61	3.56	38,283
Wyoming	1,831.11	4.27	42,887	1,737.98	3.70	46,942
Colorado	1,071.76	6.04	17,740	1,106.50	6.13	18,063
New Mexico	1,404.93	7.19	19,531	1,427.64	7.17	19,915
Arizona	1,754.25	7.14	24,584	1,794.31	7.80	23,009
Utah	1,504.24	6.45	23,308	1,595.00	6.76	23,595
Nevada	1,518.98	5.67	26,782	1,519.09	6.08	24,972
Mountain	**1,406.74**	**5.77**	**24,397**	**1,417.46**	**5.84**	**24,278**
Washington	1,227.75	3.07	39,982	1,126.77	4.45	25,293
Oregon	1,311.22	4.43	29,606	1,318.05	4.99	26,421
California	1,363.47	7.78	17,530	1,429.27	8.62	16,586
Pacific	**1,339.31**	**6.14**	**21,830**	**1,391.72**	**7.60**	**18,302**
Alaska	1,537.02	8.30	18,510	1,634.23	8.01	20,414
Hawaii	2,057.12	10.14	20,296	2,057.12	10.14	20,296
Alaska & Hawaii	**1,848.55**	**9.44**	**19,580**	**2,038.86**	**10.04**	**20,301**

p Preliminary.

TABLE 65B

REVENUE AND USE PER TOTAL ULTIMATE CUSTOMER

BY STATE – YEAR 1984r

Division/State	Total Electric Utility Industry			Investor-Owned Electric Utilities		
	Avg. Annual Revenue per Customers	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$1,452.62**	**6.27¢**	**23,152**	**$1,511.99**	**6.52¢**	**23,173**
Maine	1,132.40	6.51	17,383	1,149.92	6.49	17,727
New Hampshire	1,268.49	8.45	15,018	1,349.46	8.45	15,973
Vermont	1,091.70	6.56	16,649	1,121.97	6.42	17,484
Massachusetts	1,424.20	8.91	15,982	1,435.86	8.98	15,982
Rhode Island	1,209.81	8.75	13,825	1,213.46	8.74	13,882
Connecticut	1,639.63	9.15	17,917	1,633.32	9.24	17,673
New England	**1,401.08**	**8.55**	**16,393**	**1,417.20**	**8.59**	**16,503**
New York	1,528.40	9.03	16,935	1,447.72	9.82	14,736
New Jersey	1,619.14	9.12	17,754	1,626.15	9.12	17,828
Pennsylvania	1,434.37	6.82	21,042	1,465.80	6.81	21,537
Middle Atlantic	**1,515.62**	**8.20**	**18,479**	**1,490.88**	**8.46**	**17,617**
Ohio	1,577.13	5.71	27,644	1,654.32	5.68	29,149
Indiana	1,514.54	5.68	26,652	1,633.04	5.58	29,282
Illinois	1,549.41	7.16	21,629	1,579.85	7.13	22,150
Michigan	1,208.41	6.42	18,812	1,236.76	6.43	19,247
Wisconsin	1,146.52	5.78	19,820	1,180.64	5.80	20,372
East North Central	**1,427.48**	**6.21**	**22,984**	**1,482.14**	**6.19**	**23,947**
Minnesota	1,150.20	5.35	21,502	1,263.48	4.95	25,509
Iowa	1,293.11	6.42	20,150	1,376.87	6.51	21,142
Missouri	1,110.60	5.53	20,097	1,243.37	5.49	22,658
North Dakota	1,274.89	5.75	22,156	1,105.93	5.92	18,692
South Dakota	1,023.86	5.80	17,651	1,074.88	6.31	17,045
Nebraska	1,087.55	5.26	20,676	–	–	–
Kansas	1,345.28	6.57	20,467	1,432.29	6.32	22,670
West North Central	**1,188.20**	**5.79**	**20,520**	**1,293.53**	**5.71**	**22,651**
Delaware	1,709.71	7.15	23,912	1,825.22	6.82	26,782
Maryland	1,421.49	6.01	23,636	1,443.06	5.96	24,215
District of Columbia	2,622.07	6.72	39,017	2,622.07	6.72	39,017
Virginia	1,469.58	5.84	25,159	1,535.32	5.79	26,537
West Virginia	1,190.95	4.61	25,846	1,196.68	4.60	26,002
North Carolina	1,493.95	5.79	25,818	1,697.52	5.62	30,231
South Carolina	1,676.49	5.18	32,363	1,933.76	5.22	37,025
Georgia	1,415.48	5.81	24,344	1,778.00	5.76	30,848
Florida	1,462.60	7.45	19,631	1,488.04	7.36	20,219
South Atlantic	**1,479.46**	**6.15**	**24,059**	**1,586.88**	**6.07**	**26,143**
Kentucky	1,634.27	4.68	34,946	1,481.30	4.40	33,651
Tennessee	1,692.94	4.79	35,313	1,662.80	4.63	35,930
Alabama	1,641.81	6.02	27,267	1,756.02	5.76	30,481
Mississippi	1,346.96	5.60	24,047	1,567.86	5.69	27,536
East South Central	**1,606.92**	**5.17**	**31,067**	**1,616.41**	**5.19**	**31,132**
Arkansas	1,368.95	5.79	23,637	1,535.75	5.45	28,165
Louisiana	1,862.41	5.57	33,444	2,048.16	5.19	39,476
Oklahoma	1,281.66	5.57	23,017	1,370.09	5.27	25,975
Texas	1,919.39	6.23	30,812	2,168.39	6.07	35,688
West South Central	**1,771.62**	**6.00**	**29,509**	**1,988.58**	**5.77**	**34,438**
Montana	994.25	3.38	29,451	818.73	3.39	24,163
Idaho	1,245.78	3.43	36,298	1,285.38	3.35	38,401
Wyoming	1,695.95	4.19	40,480	1,584.02	3.60	43,987
Colorado	1,046.07	5.93	17,640	1,074.34	5.99	17,943
New Mexico	1,303.27	6.86	18,993	1,382.31	7.01	19,715
Arizona	1,684.23	6.94	24,261	1,727.05	7.58	22,770
Utah	1,431.34	6.02	23,780	1,516.77	6.34	23,931
Nevada	1,451.62	5.38	26,959	1,459.75	5.81	25,138
Mountain	**1,339.38**	**5.54**	**24,181**	**1,351.14**	**5.59**	**24,154**
Washington	1,257.09	3.05	41,155	1,060.38	4.28	24,760
Oregon	1,275.22	4.14	30,819	1,229.64	4.72	26,042
California	1,239.86	7.10	17,455	1,291.36	7.80	16,550
Pacific	**1,245.51**	**5.65**	**22,056**	**1,264.88**	**6.95**	**18,202**
Alaska	1,518.69	8.18	18,576	1,491.15	8.50	17,539
Hawaii	2,183.35	10.64	20,518	2,183.35	10.64	20,518
Alaska & Hawaii	**1,931.19**	**9.76**	**19,781**	**2,153.61**	**10.56**	**20,390**

r Revised

TABLE 66A

REVENUE AND USE PER RESIDENTIAL CUSTOMER

BY STATE – YEAR 1985p

Division/State	Total Electric Utility Industry			Investor-Owned Electric Utilities		
	Avg. Annual Revenue per Customers	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$662.88**	**7.40¢**	**8,959**	**$660.93**	**7.79¢**	**8,486**
Maine	551.66	8.09	6,817	554.79	8.08	6,863
New Hampshire	622.55	8.92	6,980	635.58	8.99	7,068
Vermont	600.74	7.23	8,306	596.65	7.09	8,418
Massachusetts	552.77	8.90	6,210	553.34	9.01	6,139
Rhode Island	507.95	9.13	5,561	507.84	9.12	5,568
Connecticut	719.94	9.98	7,217	726.19	10.04	7,235
New England	**599.16**	**9.02**	**6,641**	**603.77**	**9.11**	**6,629**
New York	600.21	10.86	5,525	605.69	11.16	5,428
New Jersey	708.38	11.01	6,435	708.66	11.03	6,428
Pennsylvania	640.05	8.54	7,492	639.85	8.55	7,484
Middle Atlantic	**635.86**	**9.98**	**6,374**	**638.41**	**10.11**	**6,315**
Ohio	655.57	7.68	8,535	658.04	7.79	8,442
Indiana	675.92	6.97	9,692	643.66	6.89	9,347
Illinois	647.82	9.02	7,182	630.18	9.08	6,941
Michigan	476.82	7.39	6,456	480.73	7.40	6,499
Wisconsin	534.09	6.73	7,938	516.48	6.81	7,584
East North Central	**601.50**	**7.73**	**7,782**	**592.04**	**7.81**	**7,582**
Minnesota	540.32	6.49	8,320	439.46	6.17	7,123
Iowa	679.99	7.68	8,849	632.32	8.10	7,808
Missouri	616.85	6.58	9,380	623.77	6.73	9,269
North Dakota	711.17	6.15	11,558	585.79	6.26	9,363
South Dakota	656.71	6.52	10,071	577.77	7.34	7,874
Nebraska	603.45	6.05	9,973	–	–	–
Kansas	620.54	7.49	8,288	639.49	7.34	8,712
West North Central	**613.50**	**6.79**	**9,032**	**580.57**	**6.97**	**8,328**
Delaware	737.32	9.36	7,878	751.30	9.50	7,905
Maryland	688.23	7.28	9,457	679.89	7.23	9,405
District of Columbia	473.02	6.93	6,828	473.02	6.93	6,828
Virginia	742.68	6.66	11,156	745.35	6.61	11,273
West Virginia	542.34	5.93	9,146	543.10	5.93	9,166
North Carolina	757.67	6.93	10,939	770.83	6.83	11,288
South Carolina	815.75	7.01	11,636	833.65	6.96	11,972
Georgia	674.35	6.34	10,640	663.88	6.63	10,019
Florida	933.51	8.44	11,065	947.34	8.47	11,190
South Atlantic	**781.99**	**7.31**	**10,696**	**786.33**	**7.36**	**10,680**
Kentucky	616.25	5.84	10,556	592.10	5.79	10,232
Tennessee	690.84	4.87	14,181	782.58	5.07	15,448
Alabama	730.09	7.04	10,369	752.43	6.98	10,781
Mississippi	702.67	6.20	11,332	719.29	6.35	11,324
East South Central	**686.10**	**5.83**	**11,763**	**687.81**	**6.39**	**10,757**
Arkansas	728.64	7.47	9,754	724.31	7.40	9,784
Louisiana	874.80	7.09	12,345	829.67	6.50	12,757
Oklahoma	699.00	6.50	10,760	682.99	6.34	10,771
Texas	883.26	7.48	11,809	935.36	7.54	12,409
West South Central	**842.87**	**7.29**	**11,564**	**867.06**	**7.20**	**12,042**
Montana	483.85	4.70	10,298	423.84	4.53	9,364
Idaho	647.21	4.30	15,062	645.48	4.22	15,302
Wyoming	515.42	5.72	9,017	439.94	5.33	8,255
Colorado	474.83	6.93	6,857	448.73	7.23	6,202
New Mexico	525.46	8.72	6,028	531.48	8.60	6,182
Arizona	853.42	8.25	10,344	843.07	8.84	9,537
Utah	605.05	7.84	7,722	642.75	8.53	7,539
Nevada	723.83	6.42	11,276	734.67	6.52	11,262
Mountain	**622.34**	**6.89**	**9,039**	**606.90**	**6.95**	**8,737**
Washington	621.79	3.81	16,320	703.96	4.80	14,674
Oregon	620.57	4.69	13,221	622.84	4.93	12,634
California	488.22	7.77	6,280	515.10	8.24	6,252
Pacific	**519.44**	**6.21**	**8,362**	**542.42**	**7.12**	**7,620**
Alaska	796.75	8.75	9,108	864.34	8.09	10,685
Hawaii	756.07	11.36	6,656	756.07	11.36	6,656
Alaska & Hawaii	**772.39**	**10.11**	**7,639**	**760.64**	**11.14**	**6,826**

p Preliminary

TABLE 66B

REVENUE AND USE PER RESIDENTIAL CUSTOMER

BY STATE—YEAR 1984r

Division/State	Total Electric Utility Industry			Investor-Owned Electric Utilities		
	Avg. Annual Revenue per Customers	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$643.75**	**7.17¢**	**8,978**	**$640.47**	**7.53¢**	**8,500**
Maine	525.17	7.65	6,864	527.27	7.63	6,913
New Hampshire	656.11	9.36	7,012	674.05	9.45	7,133
Vermont	558.12	6.76	8,259	554.05	6.63	8,362
Massachusetts	593.27	9.52	6,232	594.01	9.64	6,159
Rhode Island	528.37	9.43	5,602	528.26	9.42	5,608
Connecticut	733.35	10.05	7,299	739.99	10.11	7,317
New England	**619.84**	**9.28**	**6,678**	**624.60**	**9.37**	**6,669**
New York	594.12	10.67	5,569	599.59	10.96	5,472
New Jersey	686.10	10.46	6,559	686.42	10.48	6,553
Pennsylvania	613.15	7.99	7,671	613.64	8.01	7,662
Middle Atlantic	**619.35**	**9.56**	**6,481**	**622.22**	**9.69**	**6,420**
Ohio	647.36	7.51	8,622	648.94	7.62	8,520
Indiana	668.05	6.68	10,002	640.23	6.64	9,646
Illinois	644.79	8.79	7,339	630.30	8.90	7,084
Michigan	453.24	6.96	6,513	454.92	6.93	6,561
Wisconsin	532.76	6.73	7,911	517.00	6.84	7,561
East North Central	**592.23**	**7.50**	**7,896**	**583.60**	**7.59**	**7,688**
Minnesota	536.80	6.47	8,301	436.01	6.14	7,102
Iowa	672.07	7.50	8,967	630.70	7.96	7,925
Missouri	582.19	6.14	9,482	575.82	6.17	9,337
North Dakota	695.26	6.08	11,439	586.91	6.33	9,278
South Dakota	651.01	6.42	10,148	575.83	7.28	7,906
Nebraska	607.10	5.94	10,225	—	—	—
Kansas	639.01	7.54	8,477	656.38	7.36	8,920
West North Central	**604.36**	**6.62**	**9,128**	**566.73**	**6.75**	**8,398**
Delaware	746.46	9.31	8,020	761.10	9.45	8,052
Maryland	661.59	6.95	9,513	652.14	6.90	9,451
District of Columbia	443.02	6.45	6,872	443.02	6.45	6,872
Virginia	742.66	6.68	11,113	745.58	6.66	11,200
West Virginia	528.70	5.60	9,433	529.37	5.60	9,455
North Carolina	762.94	6.70	11,393	783.46	6.62	11,832
South Carolina	781.79	6.57	11,898	811.89	6.62	12,263
Georgia	669.34	6.37	10,501	655.05	6.59	9,938
Florida	872.10	8.15	10,705	881.62	8.17	10,793
South Atlantic	**756.24**	**7.09**	**10,669**	**759.17**	**7.13**	**10,648**
Kentucky	614.64	5.69	10,800	581.17	5.54	10,488
Tennessee	701.08	4.79	14,624	789.80	5.04	15,680
Alabama	722.72	6.96	10,390	741.58	6.90	10,755
Mississippi	665.16	5.96	11,163	670.87	6.09	11,020
East South Central	**680.53**	**5.70**	**11,934**	**669.68**	**6.21**	**10,782**
Arkansas	704.72	7.23	9,749	684.45	7.02	9,747
Louisiana	813.68	6.80	11,967	781.84	6.33	12,342
Oklahoma	672.20	6.22	10,806	647.54	6.00	10,784
Texas	862.01	7.40	11,650	910.01	7.44	12,226
West South Central	**813.37**	**7.13**	**11,408**	**834.29**	**7.04**	**11,852**
Montana	435.78	4.30	10,126	379.57	4.13	9,188
Idaho	615.26	4.09	15,033	614.08	4.02	15,276
Wyoming	496.58	5.50	9,035	421.34	5.11	8,239
Colorado	467.42	6.76	6,912	440.38	7.05	6,243
New Mexico	491.20	8.13	6,046	515.40	8.30	6,209
Arizona	818.89	8.03	10,196	606.96	8.53	9,464
Utah	578.30	7.43	7,782	615.10	8.10	7,590
Nevada	689.71	5.97	11,543	700.58	6.07	11,541
Mountain	**594.30**	**6.58**	**9,035**	**580.48**	**6.63**	**8,758**
Washington	591.31	3.69	16,014	662.11	4.55	14,546
Oregon	570.09	4.36	13,089	565.58	4.51	12,549
California	448.53	7.10	6,322	470.64	7.49	6,286
Pacific	**480.23**	**5.76**	**8,341**	**497.11**	**6.51**	**7,638**
Alaska	796.10	8.48	9,389	763.99	7.44	10,269
Hawaii	781.33	11.83	6,603	781.33	11.83	6,603
Alaska & Hawaii	**786.91**	**10.28**	**7,656**	**780.65**	**11.57**	**6,744**

r Revised.

TABLE 67A
REVENUE AND USE PER COMMERCIAL CUSTOMER
BY STATE—YEAR 1985p

Division/State	Total Electric Utility Industry			Investor-Owned Electric Utilities		
	Avg. Annual Revenue per Customers	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$ 4,170.74**	**7.27¢**	**57,369**	**$ 4,632.16**	**7.47¢**	**61,988**
Maine	2,742.47	7.79	35,193	2,815.14	7.79	36,128
New Hampshire	2,289.72	8.33	27,486	2,327.03	8.34	27,916
Vermont	2,309.73	7.63	30,272	2,459.54	7.46	32,981
Massachusetts	5,190.28	8.32	62,366	5,432.71	8.32	65,262
Rhode Island	4,252.85	8.22	51,745	4,270.37	8.22	51,979
Connecticut	6,968.88	8.97	77,690	7,155.28	8.98	79,712
New England	**4,748.81**	**8.44**	**56,254**	**4,938.82**	**8.44**	**58,485**
New York	5,976.17	10.74	55,639	6,081.91	10.84	56,087
New Jersey	5,832.30	9.57	60,970	5,888.44	9.56	61,585
Pennsylvania	3,761.77	7.60	49,519	3,814.68	7.60	50,184
Middle Atlantic	**5,258.04**	**9.57**	**54,914**	**5,342.18**	**9.63**	**55,492**
Ohio	4,434.25	7.10	62,458	4,739.11	7.15	66,253
Indiana	3,105.77	5.79	53,656	3,244.27	5.67	57,244
Illinois	5,331.74	7.74	68,842	5,431.40	7.73	70,228
Michigan	3,843.67	7.80	49,248	3,899.08	7.95	49,054
Wisconsin	3,344.21	6.31	52,976	3,478.24	6.34	54,833
East North Central	**4,222.73**	**7.17**	**58,858**	**4,395.55**	**7.21**	**60,991**
Minnesota	2,197.53	5.85	37,592	1,975.27	5.57	35,447
Iowa	2,675.69	7.34	36,444	2,882.44	7.58	38,011
Missouri	3,808.88	6.01	63,390	4,614.65	6.00	76,969
North Dakota	2,397.11	6.58	36,418	1,909.19	6.51	29,343
South Dakota	2,505.63	6.49	38,591	2,707.74	6.75	40,115
Nebraska	2,192.36	5.72	38,342	—	—	—
Kansas	3,379.04	6.62	51,046	4,402.50	6.30	69,870
West North Central	**2,917.23**	**6.29**	**46,405**	**3,378.30**	**6.29**	**53,689**
Delaware	5,465.81	7.77	70,374	6,018.35	7.47	80,559
Maryland	4,213.84	7.21	58,460	4,256.44	7.21	59,032
District of Columbia	12,674.65	7.62	166,283	12,674.65	7.62	166,283
Virginia	4,305.27	6.00	71,814	4,609.77	5.95	77,496
West Virginia	2,738.57	5.52	49,599	2,752.57	5.52	49,897
North Carolina	3,236.86	6.02	53,739	3,368.39	5.90	57,083
South Carolina	3,246.05	6.13	52,974	3,586.14	6.11	58,690
Georgia	4,498.47	6.56	68,537	5,263.40	6.74	78,080
Florida	4,616.69	7.39	62,442	5,034.88	7.26	69,344
South Atlantic	**4,182.90**	**6.70**	**62,439**	**4,517.91**	**6.65**	**67,894**
Kentucky	2,713.26	5.81	46,683	3,053.85	5.70	53,585
Tennessee	1,821.88	5.68	32,072	3,724.05	5.28	70,528
Alabama	3,085.69	7.53	40,988	3,622.80	6.88	52,656
Mississippi	3,200.59	6.58	48,632	3,759.72	6.52	57,700
East South Central	**2,646.80**	**6.45**	**41,013**	**3,455.08**	**6.36**	**54,303**
Arkansas	3,088.54	6.44	47,983	3,438.25	6.11	56,261
Louisiana	4,412.86	6.97	63,355	4,710.85	6.39	73,728
Oklahoma	3,182.64	6.11	52,103	3,809.64	5.86	64,961
Texas	4,246.19	6.70	63,373	4,880.60	6.58	74,166
West South Central	**4,028.47**	**6.65**	**60,555**	**4,605.85**	**6.44**	**71,530**
Montana	1,977.33	4.20	47,107	1,915.20	3.90	49,057
Idaho	2,768.15	4.04	68,556	2,779.36	3.98	69,820
Wyoming	2,987.02	5.21	57,355	2,327.04	4.65	50,066
Colorado	3,787.47	6.06	62,482	4,909.74	5.98	82,152
New Mexico	3,810.94	7.99	47,689	4,540.27	8.18	55,516
Arizona	5,768.01	7.56	76,293	5,656.19	8.28	68,315
Utah	5,232.11	6.83	76,630	5,683.78	7.60	74,809
Nevada	3,474.75	6.31	55,064	3,527.96	6.49	54,393
Mountain	**3,993.32**	**6.33**	**63,104**	**4,252.16**	**6.38**	**66,672**
Washington	2,822.96	3.55	79,604	3,392.57	4.60	73,727
Oregon	3,245.84	4.95	65,617	3,452.39	5.41	63,834
California	4,987.97	8.54	58,383	5,608.49	9.04	62,024
Pacific	**4,489.51**	**7.21**	**62,222**	**5,145.99**	**8.13**	**63,312**
Alaska	5,258.41	7.85	66,992	3,812.83	12.10	31,511
Hawaii	4,234.48	11.54	36,681	4,234.48	11.54	36,681
Alaska & Hawaii	**4,643.14**	**9.52**	**48,779**	**4,215.11**	**11.57**	**36,444**

p Preliminary.

TABLE 67B
REVENUE AND USE PER COMMERCIAL CUSTOMER
BY STATE—YEAR 1984r

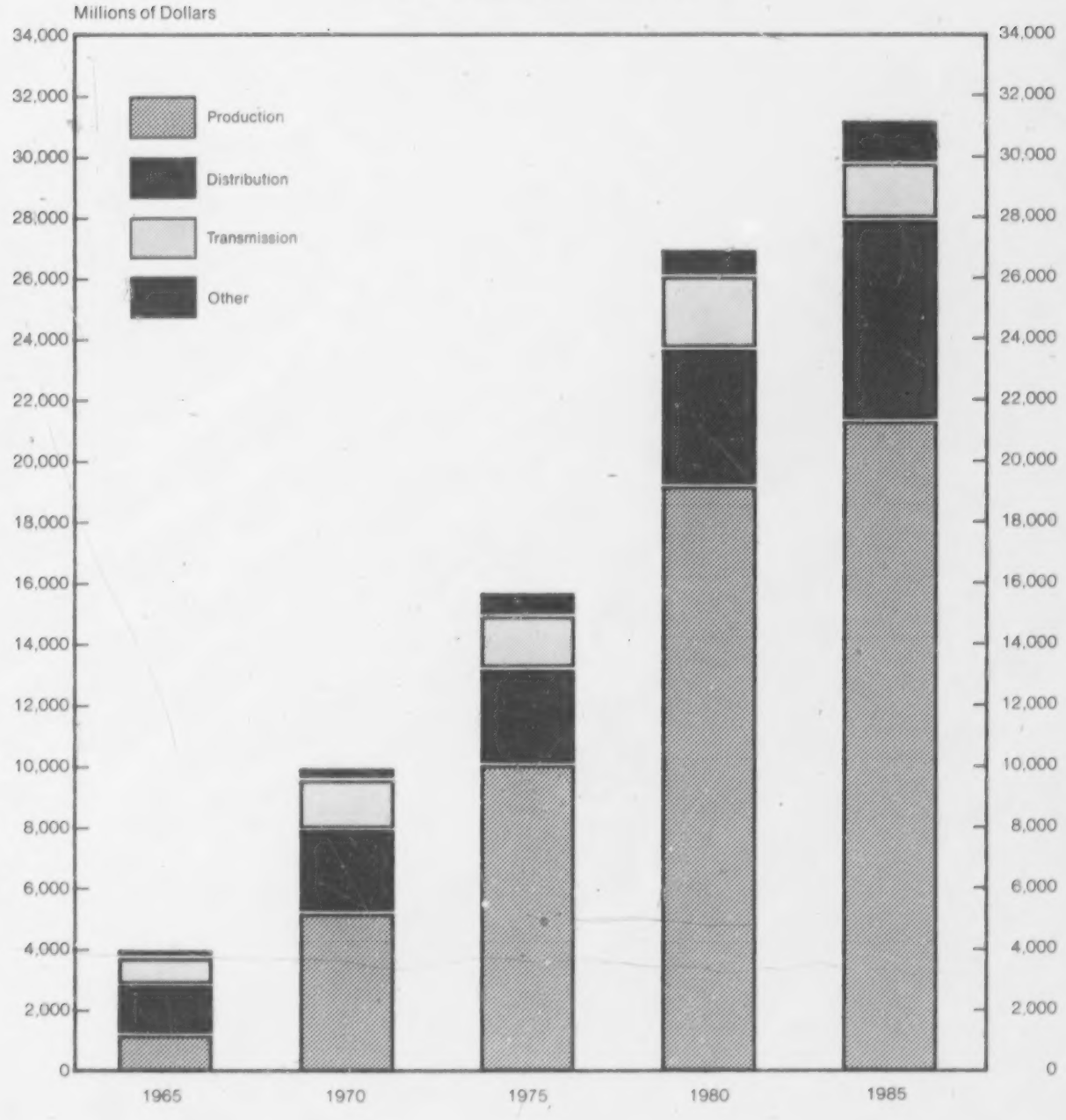
Division/State	Total Electric Utility Industry			Investor-Owned Electric Utilities		
	Avg. Annual Revenue per Customers	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$ 3,939.57**	**7.14¢**	**55,205**	**$ 4,346.35**	**7.33¢**	**59,270**
Maine	2,592.82	7.32	35,431	2,649.97	7.31	36,236
New Hampshire	2,325.97	8.77	26,519	2,399.22	8.79	27,294
Vermont	2,116.25	6.87	30,782	2,254.08	6.72	33,537
Massachusetts	5,567.96	9.12	61,078	5,842.70	9.13	63,999
Rhode Island	4,397.22	8.58	51,269	4,415.36	8.57	51,501
Connecticut	6,941.64	9.16	75,765	7,130.12	9.17	77,762
New England	**4,908.54**	**8.88**	**55,292**	**5,114.34**	**8.88**	**57,566**
New York	5,884.47	10.94	53,779	5,990.21	11.05	54,222
New Jersey	5,371.55	9.16	58,650	5,422.25	9.15	59,239
Pennsylvania	3,561.23	7.27	48,987	3,611.40	7.28	49,620
Middle Atlantic	**5,030.26**	**9.43**	**53,347**	**5,111.00**	**9.48**	**53,904**
Ohio	4,310.49	7.02	61,378	4,602.31	7.08	65,040
Indiana	2,983.23	5.58	53,424	3,115.77	5.48	56,872
Illinois	5,354.28	7.80	68,618	5,466.17	7.80	70,045
Michigan	3,573.31	7.40	48,297	3,608.57	7.51	48,048
Wisconsin	3,361.88	6.44	52,195	3,503.78	6.48	54,089
East North Central	**4,125.46**	**7.09**	**58,194**	**4,294.46**	**7.12**	**60,279**
Minnesota	2,149.61	5.83	36,844	1,933.69	5.56	34,791
Iowa	2,651.72	7.40	35,810	2,867.91	7.66	37,433
Missouri	3,523.07	5.67	62,161	4,205.88	5.63	74,755
North Dakota	2,309.00	6.59	35,047	1,886.27	6.61	28,549
South Dakota	2,350.40	6.33	37,105	2,522.74	6.51	38,736
Nebraska	2,198.77	5.67	38,812	—	—	—
Kansas	3,378.67	6.72	50,288	4,368.03	6.37	68,564
West North Central	**2,823.11**	**6.19**	**45,601**	**3,225.19**	**6.16**	**52,381**
Delaware	5,404.93	7.64	70,749	5,930.13	7.35	80,704
Maryland	4,101.82	6.89	59,538	4,136.54	6.89	60,020
District of Columbia	11,585.55	7.21	160,616	11,585.55	7.21	160,616
Virginia	4,283.87	6.13	69,857	4,564.38	6.09	74,978
West Virginia	2,599.74	5.26	49,449	2,613.84	5.25	49,755
North Carolina	3,177.61	5.89	53,968	3,320.17	5.78	57,471
South Carolina	3,079.49	5.88	52,416	3,414.95	5.93	57,601
Georgia	4,348.40	6.67	65,179	5,101.56	6.83	74,659
Florida	4,426.42	7.31	60,579	4,820.37	7.19	67,037
South Atlantic	**4,045.20**	**6.61**	**61,231**	**4,366.88**	**6.57**	**66,495**
Kentucky	2,615.84	5.69	45,983	2,927.95	5.56	52,695
Tennessee	1,793.07	5.52	32,456	3,613.76	5.28	68,434
Alabama	2,989.11	7.51	39,823	3,520.31	6.86	51,291
Mississippi	2,938.17	6.32	46,472	3,484.14	6.29	55,358
East South Central	**2,539.95**	**6.31**	**40,226**	**3,306.06**	**6.25**	**52,881**
Arkansas	2,901.25	6.33	45,837	3,208.67	5.93	54,114
Louisiana	4,096.82	6.65	61,598	4,379.42	6.13	71,399
Oklahoma	3,057.65	5.87	52,087	3,605.39	5.58	64,613
Texas	4,181.45	6.75	61,907	4,745.33	6.60	71,899
West South Central	**3,908.28**	**6.60**	**59,176**	**4,424.32**	**6.37**	**69,504**
Montana	1,791.32	3.88	46,170	1,716.30	3.57	48,120
Idaho	2,523.35	3.93	64,257	2,548.60	3.85	66,114
Wyoming	2,851.49	5.13	55,539	2,163.10	4.50	48,052
Colorado	3,720.11	6.00	62,009	4,760.16	5.88	80,966
New Mexico	3,564.94	7.46	47,769	4,298.19	7.73	55,601
Arizona	5,364.39	7.20	74,482	5,304.06	7.91	67,096
Utah	4,863.94	6.52	74,551	5,280.67	7.33	72,024
Nevada	3,318.29	6.08	54,591	3,385.77	6.26	54,085
Mountain	**3,765.95**	**6.10**	**61,766**	**4,012.23**	**6.15**	**65,231**
Washington	2,626.47	3.49	75,278	3,177.67	4.46	71,289
Oregon	3,078.21	4.82	63,927	3,265.82	5.23	62,425
California	3,879.88	7.92	48,995	4,142.81	8.36	49,558
Pacific	**3,645.33**	**6.78**	**53,736**	**3,980.51**	**7.58**	**52,514**
Alaska	5,220.72	7.73	67,509	3,012.55	12.07	24,959
Hawaii	4,457.88	12.01	37,132	4,457.88	12.01	37,132
Alaska & Hawaii	**4,748.81**	**9.75**	**48,717**	**4,371.20**	**12.01**	**36,402**

r Revised.

FINANCIAL
SECTION IX

CHART IX-A

CONSTRUCTION EXPENDITURES
INVESTOR-OWNED ELECTRIC UTILITIES



Based on Table 69, page 81.

TABLE 69

CONSTRUCTION EXPENDITURES INVESTOR-OWNED ELECTRIC UTILITIES

BY TYPE OF ELECTRIC UTILITY PLANT
MILLIONS OF DOLLARS

	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975
Production											
Steam	$ 4,725	$ 5,569	$ 5,860	$ 7,828	$ 7,221	$ 7,498	$ 7,572	$ 6,664	$ 6,529	$ 5,689	$ 5,062
Nuclear	15,553	17,478	18,208	16,461	12,785	11,045	9,855	8,813	7,273	5,815	4,545
Other	1,095	893	868	1,050	906	695	854	655	614	460	487
Total	**21,372**	**23,939**	**24,935**	**25,339**	**20,912**	**19,238**	**18,281**	**16,132**	**14,416**	**11,964**	**10,094**
Transmission	1,863	2,250	2,371	2,203	2,270	2,353	2,090	1,738	1,687	1,832	1,771
Distribution	6,590	5,899	5,021	4,827	4,606	4,483	4,334	3,875	3,390	2,974	3,075
General/Miscellaneous*	1,266	1,355	1,489	1,233	1,336	937	776	1,192	788	590	710
Subtotal	**31,091**	**33,443**	**33,816**	**33,602**	**29,124**	**27,011**	**25,481**	**22,937**	**20,281**	**17,360**	**15,650**
Nuclear Fuel	2,202	1,842	1,749	1,748	1,566	1,324	1,338	1,093	1,016	798	541
GRAND TOTAL	**$33,294**	**$35,285**	**$35,565**	**$35,350**	**$30,690**	**$28,335**	**$26,819**	**$24,030**	**$21,297**	**$18,158**	**$16,191**
AFUDC included in TOTAL	$ 6,941	$ 7,923	$ 7,816	$ 6,612	$ 5,358	$ 4,365	$ 3,593	$ 2,717	$ 2,267	$ 1,854	$ 1,676

	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965
Production										
Steam	$ 5,323	$ 4,923	$ 4,306	$ 3,507	$ 2,790	$ 2,227	$ 2,076	$ 1,735	$ 1,294	$ 987
Nuclear	3,969	3,270	2,920	2,410	1,641	1,120	679	433	126	56
Other	802	662	691	620	818	550	347	311	220	185
Total	**10,094**	**8,855**	**7,917**	**6,537**	**5,249**	**3,897**	**3,102**	**2,479**	**1,640**	**1,228**
Transmission	2,145	1,878	1,749	1,818	1,625	1,555	1,378	1,329	1,161	923
Distribution	3,538	3,568	3,192	2,869	2,751	2,511	2,299	2,102	1,851	1,666
General/Miscellaneous*	880	758	605	633	422	394	339	294	289	238
Subtotal	**16,702**	**15,059**	**13,463**	**11,857**	**10,047**	**8,357**	**7,118**	**6,204**	**4,941**	**4,055**
Nuclear Fuel	490	232	265	361	217	N/A	N/A	N/A	N/A	N/A
GRAND TOTAL	**$17,192**	**$15,291**	**$13,728**	**$12,218**	**$10,264**	**$ 8,357**	**$ 7,118**	**$ 6,204**	**$ 4,941**	**$ 4,055**
AFUDC included in TOTAL	$ 1,576	$ 1,277	$ 1,078	$ 809	$ 583	$ 398	$ 270	$ 185	$ 126	$ 92

Note: Total may not equal sum of components due to independent rounding.
This table has been restructured based on data submitted to the Institute. Data, compiled on a 50 state basis, now includes nuclear fuel and reflects the amount of AFUDC in the total.
Construction expenditures are, in general, the gross amounts spent for construction of all kinds, including the acquisition of real estate and all necessary equipment.
The figures include money spent for replacements, additions, and betterments (but not for maintenance of existing plant) as well as for new construction.
**Includes intangible plant.*
N/A Not available.

TABLE 70

COMBINED BALANCE SHEETS—YEAR ENDED DECEMBER 31ST
INVESTOR-OWNED ELECTRIC UTILITIES

INTERCOMPANY TRANSACTIONS ELIMINATED
MILLIONS OF DOLLARS

	1985	1984	1983	1982	1981	1980
ASSETS						
Utility Plant:						
Electric	$317,392	$277,374	$252,294	$229,590	$214,628	$202,787
Other	18,954	18,219	17,745	16,897	16,040	14,422
Total Utility Plant	**336,345**	**295,592**	**270,039**	**246,487**	**230,668**	**217,209**
Accumulated Provision for Depreciation and Amortization	92,567	84,306	77,073	70,014	63,742	57,826
Net Utility Plant	**243,778**	**211,285**	**192,967**	**176,473**	**166,926**	**159,383**
Nuclear Fuel	13,979	11,587	9,421	8,056	7,449	6,704
Accumulated Provision for Amortization of Nuclear Fuel Assemblies	5,461	4,219	3,755	3,591	3,324	2,754
Net Nuclear Fuel	**8,518**	**7,368**	**5,665**	**4,465**	**4,125**	**3,950**
Construction Work in Progress	84,092	95,491	93,619	90,320	76,296	62,697
Net Total Utility Plant	**336,389**	**314,145**	**292,250**	**271,258**	**247,347**	**226,030**
Other Property and Investment	9,557	9,359	8,367	6,656	5,737	4,593
Total Current and Accrued Assets	40,427	37,823	33,196	31,799	28,100	25,928
Total Deferred Debits	16,194	18,065	12,001	7,486	6,532	5,064
Total Assets	**$402,567**	**$379,392**	**$345,814**	**$317,198**	**$287,716**	**$261,615**
CAPITALIZATION AND LIABILITIES						
Capitalization:						
Common Capital Stock	$ 51,556	$ 47,842	$ 44,742	$ 40,491	$ 35,406	$ 32,616
Other Paid-In Capital Excluding Retained Earnings*	34,036	33,886	31,580	27,305	23,838	20,509
Retained Earnings*	43,902	40,423	35,369	30,984	27,511	24,865
Total Common Capital Stock Equity	**129,495**	**122,151**	**111,691**	**98,779**	**86,755**	**77,990**
Preferred Stock	30,614	29,882	29,479	28,616	26,817	25,755
Long-Term Debt:						
Mortgage Bonds	111,763	108,997	104,244	98,998	93,783	88,579
Other Long-Term Debt	37,180	32,696	28,034	24,694	20,780	16,978
Total Long-Term Debt	**148,944**	**141,693**	**132,278**	**123,692**	**114,563**	**105,557**
Total Capitalization	**309,052**	**293,727**	**273,448**	**251,088**	**228,136**	**209,302**
Total Other Non-Current Liabilities	3,278	N/A	N/A	N/A	N/A	N/A
Total Current and Accrued Liabilities	38,718	36,851	33,898	33,356	32,395	29,564
Contribution in Aid of Construction	156	145	135	127	115	91
Deferred Income Taxes	29,853	26,438	21,075	18,310	15,931	13,341
Deferred Investment Tax Credits	15,931	14,136	12,059	10,408	8,271	7,133
Other Deferred Credits**	5,578	8,096	5,199	3,909	2,869	2,184
Total Liabilities	**$402,567**	**$379,392**	**$345,814**	**$317,198**	**$287,716**	**$261,615**

Note: Total may not equal sum of components due to independent rounding.
Data comprising "Net Total Utility Plant" has been reformatted to reflect changes made to Schedule VI of the Uniform Statistical Report. Previous years' data have been revised for comparability.
N/A Not Applicable.
**Includes Premium on Common and Preferred Stock.*
***Data for 1984-1980 include Operating Reserves. Beginning 1985 "Total Other Non-Current Liabilities", which includes FERC System of Accounts 227, 228, and 229, is shown as a separate item.*

TABLE 71

COMBINED INCOME STATEMENTS – YEAR ENDED DECEMBER 31ST INVESTOR-OWNED ELECTRIC UTILITIES

INTERCOMPANY TRANSACTIONS ELIMINATED
MILLIONS OF DOLLARS

	1985	1984	1983	1982	1981	1980
	ELECTRIC DEPARTMENT ONLY					
Operating Revenues	**$125,547**	**$120,090**	**$109,446**	**$101,693**	**$ 94,270**	**$80,636**
Operating Expenses:						
Operation	61,109	59,679	55,315	54,118	52,563	44,841
Maintenance	9,191	8,482	7,577	7,124	6,279	5,616
Depreciation and Depletion	9,736	8,792	8,016	7,301	6,690	6,079
Amortization Charged to Operation	196	139	117	103	103	40
Property Losses Charged to Operation	370	318	237	184	100	74
Taxes Other Than Income Taxes	8,902	8,507	7,790	7,151	6,565	5,866
Federal Income Taxes	4,637	3,857	2,845	2,853	1,704	1,242
State Income Taxes	712	705	566	715	379	307
Deferred Income Taxes:						
Property Related	4,069	3,283	2,746	1,973	1,656	1,438
Non-Property Related	464	1,418	1,748	(386)	552	561
Investment Tax Credit Adjustments	1,964	2,113	1,828	2,298	1,333	854
Total Operating Expenses	**101,350**	**97,294**	**88,788**	**83,435**	**77,922**	**66,918**
Operating Income	$ 24,197	$ 22,796	$ 20,658	$ 18,258	$ 16,347	$13,718
	ALL DEPARTMENTS					
Operating Revenues	**$144,642**	**$139,499**	**$129,785**	**$121,062**	**$111,506**	**$95,326**
Operating Expenses:						
Operation	75,931	74,787	71,947	69,982	66,553	56,720
Maintenance	9,666	8,932	8,012	7,556	6,728	6,003
Depreciation and Depletion	10,447	9,476	8,609	7,856	7,221	6,552
Amortization Charged to Operation	295	228	187	122	120	55
Property Losses Charged to Operation	382	339	280	186	101	76
Taxes Other Than Income Taxes	9,880	9,477	8,746	8,044	7,451	6,580
Federal Income Taxes	5,000	4,363	2,973	3,035	1,854	1,328
State Income Taxes	796	806	621	755	405	331
Deferred Income Taxes:						
Property Related	4,209	3,351	2,894	2,047	1,736	1,510
Non-Property Related	483	1,345	1,854	(269)	573	647
Investment Tax Credit Adjustments	2,027	2,218	1,911	2,377	1,386	897
Total Operating Expenses	**119,115**	**115,325**	**108,036**	**101,691**	**94,127**	**80,699**
Operating Income	25,530	24,174	21,749	19,371	17,378	14,627
Other Income (Non-Operating) Net	2,347	2,135	1,736	1,831	1,733	1,232
Allowance for Other Funds Used During Construction	5,098	5,155	4,980	3,889	2,939	2,533
Income Before Interest Charges (Gross Income)	**32,976**	**31,465**	**28,466**	**25,091**	**22,050**	**18,392**
Interest Charges:						
Interest on Long-Term Debt	14,470	13,540	12,430	11,483	10,213	8,488
Interest on Short-Term Debt	504	595	536	813	1,261	1,142
Amortization of Debt Discount Expense and Premium	131	98	106	72	59	44
Other Interest Expense	465	600	587	615	438	285
Allowance for Borrowed Funds Used During Construction–Credit	(2,777)	(3,061)	(3,009)	(2,917)	(2,550)	(2,094)
Total Interest Charges	12,794	11,771	10,649	10,066	9,421	7,865
Income Before Extraordinary Items	**20,183**	**19,694**	**17,816**	**15,025**	**12,628**	**10,527**
Extraordinary Items	(1,659)	(22)	(228)	121	28	2
Net Income	**18,525**	**19,672**	**17,589**	**15,146**	**12,656**	**10,529**
Preferred Dividend Charges	2,877	2,828	2,715	2,502	2,251	2,042
Available for Common Stock	15,647	16,844	14,874	12,643	10,405	8,487
Common Dividends	11,817	11,077	10,306	8,968	7,587	6,429
Net Income After Dividends	**$ 3,830**	**$ 5,767**	**$ 4,568**	**$ 3,676**	**$ 2,818**	**$ 2,058**

Note: Total may not equal sum of components due to independent rounding.
Deferred Income Taxes now shown as "Property Related" (previously shown as "Due to Liberalized Depreciation" and "Due to Accelerated Amortization") and "Non-Property Related" (previously shown as "Other Deferred Income Taxes").
( ) Denotes credit or negative value.

TABLE 72

DETAIL OF ELECTRIC OPERATION & MAINTENANCE EXPENSES INVESTOR-OWNED ELECTRIC UTILITIES

MILLIONS OF DOLLARS

	1985	1984	1983	1982	1981	1980
Production	$53,068	$52,288	$48,408	$48,010	$47,281	$40,396
Transmission and Distribution	6,005	5,614	5,143	4,721	4,172	3,761
Customer Accounts	2,537	2,383	2,224	2,109	1,858	1,592
Customer Service and Information	760	745	643	512	396	302
Sales	65	47	37	34	31	33
Administrative and General	7,865	7,084	6,437	5,855	5,104	4,373
Total Operation & Maintenance Expenses	**$70,300**	**$68,161**	**$62,892**	**$61,242**	**$58,842**	**$50,457**
Cost of Fuel*	$36,635	$37,697	$36,174	$36,627	$37,165	$31,622

Note: Total may not equal sum of components due to independent rounding.
**Included in "Total Operation & Maintenance Expenses."*

TABLE 73

DETAIL OF TAXES—ELECTRIC DEPARTMENT ONLY INVESTOR-OWNED ELECTRIC UTILITIES

MILLIONS OF DOLLARS

	1985		1984		1983	
	Amount	% of Oper. Revenue	Amount	% of Oper. Revenue	Amount	% of Oper. Revenue
Federal Taxes						
Income	$ 4,637	3.7%	$ 3,857	3.2%	$ 2,845	2.6%
Deferred Taxes on Income*	3,810	3.0	3,094	2.6	2,546	2.3
Other Deferred Income Taxes**	2,428	1.9	3,417	2.8	3,423	3.2
Miscellaneous Taxes	818	0.7	777	0.6	680	0.6
Total Federal Taxes Charged to Income	11,693	9.3	11,145	9.3	9,495	8.7
State and Local Taxes	9,055	7.2	8,740	7.3	8,028	7.3
Total Taxes Charged to Income	**$20,748**	**16.5%**	**$19,884**	**16.6%**	**$17,523**	**16.0%**

	1982		1981		1980	
	Amount	% of Oper. Revenue	Amount	% of Oper. Revenue	Amount	% of Oper. Revenue
Federal Taxes						
Income	$ 2,853	2.8%	$ 1,702	1.8%	$ 1,242	1.5%
Deferred Taxes on Income*	1,842	1.8	1,541	1.6	1,347	1.7
Other Deferred Income Taxes**	2,012	2.0	1,871	2.0	1,392	1.7
Miscellaneous Taxes	617	0.6	544	0.6	432	0.5
Total Federal Taxes Charged to Income	7,324	7.2	5,658	6.0	4,413	5.4
State and Local Taxes	7,280	7.2	6,537	6.9	5,855	7.3
Total Taxes Charged to Income	**$14,604**	**14.4%**	**$12,195**	**12.9%**	**$10,268**	**12.7%**

Note: Total may not equal sum of components due to independent rounding.
**Due to liberalized depreciation and accelerated amortization.*
***Includes investment tax credits reported as charges to income for the current year.*

TABLE 74

CAPITALIZATION AND CAPITALIZATION RATIOS INVESTOR-OWNED ELECTRIC UTILITIES

MILLIONS OF DOLLARS

	1985	1984	1983	1982	1981	1980
CAPITALIZATION OUTSTANDING						
Mortgage Bonds	$111,763	$108,997	$104,244	$ 98,998	$ 93,783	$ 88,579
Other Long-Term Debt	37,180	32,696	28,034	24,694	20,780	16,978
Total Long-Term Debt	**148,944**	**141,693**	**132,278**	**123,692**	**114,563**	**105,557**
Preferred Stock	30,614	29,882	29,479	28,616	26,817	25,755
Common Capital Stock	51,556	47,842	44,742	40,491	35,406	32,616
Other Paid-In Capital Excluding Retained Earnings*	34,036	33,886	31,580	27,305	23,838	20,509
Retained Earnings	43,902	40,423	35,369	30,984	27,511	24,865
Total Capitalization	**$309,052**	**$293,727**	**$273,448**	**$251,088**	**$228,135**	**$209,302**
CAPITALIZATION RATIOS						
Mortgage Bonds	36.2%	37.1%	38.1%	39.5%	41.1%	42.3%
Other Long-Term Debt	12.0	11.1	10.3	9.8	9.1	8.1
Total Long-Term Debt	**48.2**	**48.2**	**48.4**	**49.3**	**50.2**	**50.4**
Preferred Stock	9.9	10.2	10.8	11.4	11.8	12.3
Common Capital Stock Equity	41.9	41.6	40.8	39.3	38.0	37.3
Total Capitalization	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Note: Total may not equal sum of components due to independent rounding.
**Includes Premium on Common and Preferred Stock.*

TABLE 75

PUBLIC UTILITY LONG-TERM FINANCING
INVESTOR-OWNED UTILITIES

BY YEAR, TYPE OF ISSUE, PURPOSE AND TYPE OF UTILITY
1980-1985 – THOUSANDS OF DOLLARS

	1985	1984r	1983	1982	1981	1980
ELECTRIC UTILITIES						
LONG-TERM DEBT						
New Capital	$ 9,188,802	$ 9,360,990	$ 6,831,791	$ 8,438,375	$ 8,576,941	$ 7,847,006
Refunding	3,328,435	812,500	751,064	786,195	351,954	461,294
Divestment	–	–	–	–	–	–
Total Long-Term Debt	12,517,237	10,173,490	7,582,855	9,224,570	8,928,895	8,308,300
PREFERRED STOCK						
New Capital	655,000	888,000	1,902,750	2,096,830	1,173,750	2,003,000
Refunding	–	–	–	40,000	–	7,500
Divestment	–	–	–	–	–	–
Total Preferred	655,000	888,000	1,902,750	2,136,830	1,173,750	2,010,500
COMMON STOCK						
New Capital	1,578,763	861,633	3,082,855	5,003,687	4,089,481	4,063,303
Refunding	71,250	68,500	–	21,103	–	–
Divestment	–	–	–	–	–	–
Total Common	1,650,013	930,133	3,082,835	5,024,790	4,089,481	4,063,303
TOTAL CAPITAL						
New Capital	11,422,565	11,110,623	11,817,396	15,538,892	13,840,172	13,913,309
Refunding	3,399,685	881,000	751,064	847,298	351,954	468,794
Divestment	–	–	–	–	–	–
Total Capital	$14,822,250	$11,991,623	$12,568,460	$16,386,190	$14,192,126	$14,382,103
GAS UTILITIES*						
LONG-TERM DEBT						
New Capital	$ 1,382,240	$ 755,000	$ 1,210,020	$ 1,897,096	$ 1,669,000	$ 924,500
Refunding	203,510	50,000	110,480	17,904	116,000	10,000
Divestment	–	–	–	–	–	–
Total Long Term Debt	1,585,750	805,000	1,320,500	1,915,000	1,785,000	934,500
PREFERRED STOCK						
New Capital	–	100,000	240,000	357,000	130,000	276,000
Refunding	100,000	–	–	–	–	–
Divestment	–	–	–	–	–	–
Total Preferred	100,000	100,000	240,000	357,000	130,000	276,000
COMMON STOCK						
New Capital	44,375	78,263	364,739	40,025	192,463	351,000
Refunding	–	16,591	32,975	–	–	–
Divestment	–	–	–	–	–	–
Total Common	44,375	94,854	397,714	40,025	192,463	351,000
TOTAL CAPITAL						
New Capital	1,426,615	933,263	1,814,759	2,294,121	1,991,463	1,551,500
Refunding	303,510	66,591	143,455	17,904	116,000	10,000
Divestment	–	–	–	–	–	–
Total Capital	$ 1,730,125	$ 999,854	$ 1,958,214	$ 2,312,025	$ 2,107,463	$ 1,561,500
ALL OTHER UTILITIES†						
LONG-TERM DEBT						
New Capital	$ 851,750	$ 150,000	$ 1,131,055	$ 495,000	$ 3,578,000	$ 5,775,000
Refunding	2,560,000	310,000	383,445	–	168,000	240,000
Divestment	–	–	–	–	–	–
Total Long Term Debt	3,411,750	460,000	1,514,500	495,000	3,746,000	6,015,000
PREFERRED STOCK						
New Capital	–	–	–	40,000	–	83,000
Refunding	–	–	–	–	–	–
Divestment	–	–	–	–	–	–
Total Preferred	–	–	–	40,000	–	83,000
COMMON STOCK						
New Capital	475,100	–	1,093,504	1,558,876	984,053	40,916
Refunding	–	–	–	–	–	–
Divestment	–	–	–	–	–	–
Total Common	475,100	–	1,093,504	1,558,876	984,053	40,916
TOTAL CAPITAL						
New Capital	1,326,850	150,000	2,224,559	2,093,876	4,562,053	5,898,916
Refunding	2,560,000	310,000	383,445	–	168,000	240,000
Divestment	–	–	–	–	–	–
Total Capital	$ 3,886,850	$ 460,000	$ 2,608,004	$ 2,093,876	$ 4,730,053	$ 6,138,916
TOTAL UTILITY FINANCING						
LONG-TERM DEBT						
New Capital	$11,422,792	$10,265,990	$ 9,172,866	$10,830,471	$13,823,941	$14,546,506
Refunding	6,091,945	1,172,500	1,244,989	804,099	635,954	711,294
Divestment	–	–	–	–	–	–
Total Long Term Debt	17,514,737	11,438,490	10,417,855	11,634,570	14,459,895	15,257,800
PREFERRED STOCK						
New Capital	655,000	988,000	2,142,750	2,493,830	1,303,750	2,362,000
Refunding	100,000	–	–	40,000	–	7,500
Divestment	–	–	–	–	–	–
Total Preferred	755,000	988,000	2,142,750	2,533,830	1,303,750	2,369,500
COMMON STOCK						
New Capital	2,098,238	939,896	4,541,098	6,602,588	5,265,997	4,455,219
Refunding	71,250	85,091	32,975	21,103	–	–
Divestment	–	–	–	–	–	–
Total Common	2,169,488	1,024,987	4,574,073	6,623,691	5,265,997	4,455,219
TOTAL CAPITAL						
New Capital	14,176,030	12,193,886	15,856,714	19,926,889	20,393,688	21,363,725
Refunding	6,263,195	1,257,591	1,277,964	865,202	635,954	719,794
Divestment	–	–	–	–	–	–
Total Capital	$20,439,225	$13,451,477	$17,134,678	$20,792,091	$21,029,642	$22,082,519

*Classification as to type of utility is based upon predominant source of revenue. r Revised. *Includes gas pipe line companies.*
† Other Utilities are water, transit, telephone and telegraph, and does not include railroads.
Note: Includes negotiated sales of pollution control bonds: 1985, $6,071 million; 1984r $4,400 million; 1983, $1,852 million; 1982, $1,727 million; 1981, $1,767 million; and 1980, $982.4 million.
Source: Ebasco Business Consulting Company.

TABLE 76

WEIGHTED AVERAGE OF YIELDS ON NEWLY ISSUED DOMESTIC BONDS AND PREFERRED STOCKS

1965-1985

Year	Utility Bonds				Industrial Bonds	Preferred Stocks
	Electric and Gas	Telephone	Water Works	All Utilities		All Utilities
1985	**11.83%**	**11.54%**	**11.18%**	**11.78%**	**11.64%**	**10.08%**
1984	14.25	12.73	....	13.33	12.58	13.16
1983	12.70	11.72	....	12.53	11.50	12.06
1982	14.93	14.23	....	14.56	13.65	14.42
1981	16.31	15.45	....	16.30	15.16	15.11
1980	13.46	12.59	....	13.09	11.66	12.28
1979	10.85	10.29	....	10.64	9.49	9.76
1978	9.30	9.07	....	9.22	8.98	9.03
1977	8.43	8.21	....	8.38	8.15	8.43
1976	8.92	8.41	....	8.80	8.61	9.12
1975	9.97	9.27	....	9.76	9.12	10.63
1974	9.59	9.22	....	9.21	8.87	9.95
1973	7.91	7.87	....	7.88	7.86	7.50
1972	7.50	7.36	....	7.46	7.51	7.53
1971	7.72	7.58	....	7.71	7.80	7.74
1970	8.79	8.75	....	8.85	8.86	9.01
1969	7.98	8.00	....	7.99	7.84	7.75
1968	6.80	6.55	7.17	6.72	6.64	6.44
1967	6.07	5.77	6.01	6.01	5.79	6.03
1966	5.53	5.51	5.02	5.61	5.52	5.37
1965	4.61	4.61	4.79	4.68	4.80	....

Source: Moody's Investors Service.

TABLE 77

MOODY'S AVERAGE YIELDS ON UTILITY BONDS AND STOCKS

BY MOODY'S BOND RATINGS AND STOCK QUALITY GROUPS

1975-1985

	BONDS					PREFERRED STOCKS			COMMON STOCKS					
		Rating				aa	a	baa	High Quality		Good Quality		Medium Quality	
End of Month	Over-all* Average	Aaa**	Aa	A	Baa	High Quality	Good Quality	Medium Quality	Yield	E/P Ratio†	Yield	E/P Ratio†	Yield	E/P Ratio†
1985														
December	10.56%	9.99%	10.30%	10.75%	11.19%	10.00%	10.28%	11.09%	7.34%	11.66%	8.40%	11.67%	9.60%	13.57%
September	11.95	11.29	11.73	12.07	12.67	10.60	11.05	12.52	8.36	13.30	9.74	13.66	10.88	15.63
June	11.93	11.16	11.60	12.16	12.81	10.25	10.83	11.97	7.46	11.83	8.59	12.22	9.48	13.78
March	13.59	12.90	13.45	13.86	14.13	11.62	12.32	12.98	8.13	13.32	9.15	13.33	10.48	15.12
1984														
December	12.96	12.54	12.79	13.02	13.49	12.25	12.97	13.71	8.26	14.10	9.65	13.73	10.96	15.60
September	13.95		13.38	14.13	14.35	12.31	13.31	14.28	8.64	14.86	10.43	14.48	11.90	16.97
June	15.32		14.96	15.25	15.76	13.28	14.22	14.85	9.85	17.01	11.51	15.88	13.34	18.84
March	14.16		13.78	14.04	14.66	12.40	13.12	13.55	9.65	16.89	11.37	15.64	12.81	18.77
1983														
December	13.46	12.96	13.15	13.50	14.22	12.18	12.61	13.34	8.83	15.32	10.43	13.95	11.97	17.04
September	13.20	12.66	12.87	13.27	13.98	11.70	12.15	12.72	9.03	15.26	10.17	14.00	10.86	14.94
June	13.13	12.32	12.63	13.54	14.04	11.34	12.05	12.47	9.37	15.11	10.75	14.29	10.84	14.29
March	13.26	12.23	12.66	13.62	14.34	11.17	11.79	12.51	9.35	14.77	10.19	14.14	11.13	14.41
1982														
December	13.50	12.30	12.68	14.37	14.65	11.63	12.20	13.26	9.22	15.20	10.56	14.77	14.43	14.79
September	14.39	12.97	13.76	15.31	15.52	12.84	13.49	14.11	9.64	15.91	11.30	15.78	12.15	16.17
June	16.37	15.55	16.06	16.56	17.32	14.30	14.69	15.67	10.06	14.13	11.96	15.95	13.03	17.33
March	16.19	15.15	15.62	16.64	17.35	14.44	14.81	15.48	10.09	16.74	11.53	15.96	12.74	16.72
1981														
December	16.23	14.88	15.90	16.68	17.45	14.97	15.47	15.83	11.01	16.19	11.72	14.43	13.53	17.58
September	17.56	16.74	17.43	17.84	18.21	14.68	15.28	16.01	11.52	16.74	12.01	14.73	13.96	18.07
June	15.49	14.47	15.06	15.84	16.60	13.75	14.15	15.02	10.94	15.78	11.70	14.05	12.88	16.95
March	14.86	13.96	14.61	15.17	15.69	13.35	13.72	14.57	11.71	16.51	12.20	15.21	13.30	17.63
1980														
December	14.11	13.18	13.91	14.14	15.20	13.15	14.01	14.56	11.49	15.65	12.36	16.86	13.27	17.01
September	13.68	12.91	13.49	13.74	14.58	12.02	12.92	13.76	11.37	15.46	11.83	16.01	12.77	15.71
June	12.04	11.30	11.84	12.22	12.81	10.59	10.97	12.05	10.24	13.41	10.65	14.36	11.52	13.22
March	14.57	13.35	14.57	14.96	15.41	13.09	14.74	15.22	12.15	15.50	12.52	18.27	13.93	19.11
1979														
December	11.85	11.09	11.62	11.97	12.71	10.86	11.49	12.75	10.57	15.89	11.00	15.61	12.23	14.86
September	10.39	9.75	10.10	10.62	11.08	9.60	10.34	10.97	9.81	14.52	10.37	15.29	10.92	13.71
June	9.90	9.39	9.73	10.04	10.45	9.03	9.55	10.49	9.18	13.87	9.83	14.24	10.31	12.93
March	10.02	9.60	9.90	10.06	10.51	9.10	9.63	10.33	9.13	13.73	9.66	14.16	10.04	13.04
1978														
December	9.82	9.47	9.65	9.84	10.31	8.94	9.65	10.48	9.38	13.19	9.89	13.89	10.01	12.77
September	9.23	8.91	9.15	9.29	9.57	8.43	8.82	9.62	8.37	11.80	8.88	12.82	9.15	11.99
June	9.36	8.99	9.24	9.46	9.73	8.84	9.39	9.81	8.35	11.47	8.95	12.74	9.20	12.41
March	8.97	8.61	8.80	8.99	9.47	8.35	8.79	9.24	8.35	12.46	8.82	12.66	8.86	11.39
1977														
December	8.75	8.39	8.63	8.77	9.21	8.14	8.59	9.03	7.55	12.32	8.04	12.30	8.43	11.27
September	8.47	8.12	8.37	8.48	8.89	7.95	8.32	8.87	7.29	12.49	7.83	11.96	8.25	11.84
June	8.46	8.07	8.29	8.52	8.97	8.03	8.47	8.92	7.23	12.34	7.57	11.45	8.23	11.86
March	8.70	8.26	8.55	8.77	9.22	8.21	8.75	9.01	7.32	13.01	7.74	12.04	8.68	12.77
1976														
December	8.54	8.05	8.37	8.59	9.16	8.28	8.80	9.15	7.18	11.36	7.79	11.73	8.23	11.17
September	8.87	8.57	8.65	8.81	9.45	8.58	9.04	9.45	7.39	11.31	7.82	11.44	8.60	11.26
June	9.36	8.87	9.08	9.43	10.06	8.92	9.46	9.79	8.40	12.72	8.84	12.99	9.28	12.15
March	9.34	8.67	9.07	9.58	10.04	8.92	9.52	9.73	8.13	11.99	8.51	13.08	9.11	12.15
1975														
December	9.79	8.94	9.44	10.03	10.75	9.41	10.39	10.67	7.47	10.75	7.85	11.04	9.61	14.18
September	10.01	9.25	9.66	10.24	10.90	9.78	10.71	11.11	8.34	12.05	8.78	12.30	11.01	15.64
June	9.79	8.99	9.37	9.97	10.84	9.34	10.88	11.12	7.22	10.54	8.07	11.03	10.18	13.25
March	9.72	8.99	9.29	9.83	10.75	9.31	10.48	11.00	8.23	12.19	9.31	12.96	12.46	14.89

Note: Yields shown under preferred stocks and common stocks represent averages of ten companies in each quality group.

**Average yield for 40 utility bonds, ten in each of the four top quality ratings shown.*

***The Aaa public utility average was suspended January 17, 1984, because of a lack of appropriate issues and reinstated on October 12. The 1984 high and low for the Average Utility and the Aaa Utility, were determined when a Aaa Utility was available.*

† Ratio in percent is obtained by dividing earnings per share by market price per share.

Source: Moody's Investors Service.

TABLE 78

MOODY'S 24 UTILITY COMMON STOCKS END-OF-MONTH AVERAGES

Year	Average	January	February	March	April	May	June	July	August	September	October	November	December
						MARKET PRICE – WEIGHTED AVERAGE – $ PER SHARE							
1986	...	**97.44**	**106.11**	**109.01**	**102.23**	**104.88**	**109.23**	**117.40**	**125.66**	...	...	...	...
1985	87.08	80.47	81.05	83.66	85.91	89.32	92.81	87.22	89.43	83.59	88.10	90.39	94.98
1984	71.16	71.08	68.08	66.74	65.95	66.09	66.49	68.12	70.45	74.77	77.05	78.99	80.16
1983	74.04	72.53	73.59	73.79	75.39	75.35	71.73	72.19	72.50	74.88	78.18	76.37	72.03
1982	63.56	57.95	60.16	60.77	63.15	63.23	61.15	59.16	66.63	66.10	66.83	67.34	70.26
1981	55.41	53.19	52.61	54.43	53.43	54.00	56.04	56.33	56.82	54.99	56.01	59.83	57.20
						DIVIDEND RATE – WEIGHTED AVERAGE – $ PER SHARE							
1986	...	**8.80**	**8.80**	**8.80**	**8.84**	**8.89**	**8.89**	**8.94**	**8.94**	...	...	...	...
1985	8.61	8.44	8.46	8.48	8.52	8.61	8.66	8.66	8.66	8.69	8.69	8.70	8.71
1984	8.26	8.11	8.12	8.14	8.17	8.25	8.30	8.31	8.34	8.34	8.34	8.35	8.37
1983	7.87	7.73	7.75	7.76	7.80	7.86	7.86	7.87	7.87	7.97	7.97	7.98	8.00
1982	7.43	7.20	7.22	7.31	7.32	7.42	7.44	7.48	7.48	7.55	7.56	7.57	7.64
1981	6.99	6.83	6.85	6.85	6.87	6.91	6.96	6.99	6.99	7.13	7.13	7.15	7.16
						YIELD – %							
1986	...	**9.03**	**8.29**	**8.07**	**8.65**	**8.48**	**8.14**	**7.61**	**7.11**	...	...	...	...
1985	9.89	10.49	10.44	10.14	9.92	9.64	9.33	9.93	9.68	10.40	9.86	9.62	9.17
1984	11.61	11.41	11.93	12.20	12.39	12.48	12.48	12.20	11.84	11.15	10.82	10.57	10.44
1983	10.63	10.66	10.53	10.52	10.35	10.43	10.96	10.90	10.86	10.64	10.19	10.45	11.11
1982	11.69	12.42	12.00	12.03	11.59	11.73	12.17	12.64	11.23	11.42	11.31	11.24	10.37
1981	12.62	12.84	13.02	12.59	12.86	12.80	12.42	12.41	12.30	12.97	12.73	11.95	12.52

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
	EARNINGS – WEIGHTED AVERAGE – $ PER SHARE			
1986	...	...	...	...
1985	12.66	12.65	12.67	12.53
1984	12.35	12.56	12.48	12.67
1983	10.87	10.87	11.49	11.88
1982	10.52	10.80	11.06	10.90
1981	9.35	9.59	10.11	10.16

Note: Quarterly earnings are for the 12 months ended March 31, June 30, September 30 and December 31.
Source: Moody's Investors Service.

ECONOMICS AND OTHER

SECTION X

TABLE 82

CONSUMER PRICE INDEX, 1962-1985

1967 EQUALS 100

Year	All Items		Food and Beverages		Housing	
	Index	Percent Increase	Index	Percent Increase	Index	Percent Increase
1985*	322.2	3.6	302.0	2.3	349.9	4.0
1984*	311.1	4.3	295.1	3.8	336.5	4.1
1983*	298.4	3.2	284.4	2.2	323.1	2.7
1982*	289.1	6.1	278.2	4.1	314.7	7.2
1981*	272.4	10.4	267.3	7.8	293.5	11.5
1980*	246.8	13.5	248.0	8.5	263.3	15.8
1979*	217.4	11.3	228.5	10.8	227.6	12.2
1978*	195.4	7.7	206.3	9.7	202.8	8.7
1977	181.5	6.5	188.0	6.0	186.5	6.8
1976	170.5	5.8	177.4	3.1	174.6	6.1
1975	161.2	9.1	172.1	8.4	164.5	10.6
1974	147.7	11.0	158.7	13.8	148.8	11.3
1973	133.1	6.2	139.5	13.2	133.7	4.4
1972	125.3	3.3	123.2	4.1	128.1	3.8
1971	121.3	4.3	118.3	3.1	123.4	4.4
1970	116.3	5.9	114.7	5.4	118.2	7.1
1969	109.8	5.4	108.8	5.0	110.4	6.2
1968	104.2	4.2	103.6	3.6	104.0	4.0
1967	100.0	2.9	100.0		100.0	2.9
1966	97.2	2.9			97.2	2.4
1965	94.5	1.7			94.9	1.2
1964	92.9	1.3			93.8	1.2
1963	91.7	1.2			92.7	1.1
1962	90.6	1.1			91.7	0.9

Year	Transportation		Gas and Electricity		Electricity	
	Index	Percent Increase	Index	Percent Increase	Index	Percent Increase
1985*	319.9	2.6	452.7	1.7	364.1	3.5
1984*	311.7	4.5	445.2	3.8	351.8	6.4
1983*	298.4	2.4	428.7	8.9	330.6	3.2
1982*	291.5	4.1	393.8	13.8	320.3	9.9
1981*	280.0	12.1	345.9	14.6	291.5	15.0
1980*	249.7	17.8	301.8	17.1	253.4	15.7
1979*	212.0	14.3	257.8	10.8	219.1	7.7
1978*	185.5	4.7	232.6	9.0	203.4	7.4
1977	177.2	7.1	213.4	12.9	189.3	6.6
1976	165.5	9.9	189.0	11.4	177.6	6.3
1975	150.6	9.4	169.6	16.3	167.0	13.2
1974	137.7	11.2	145.8	15.3	147.5	18.1
1973	123.8	3.3	126.4	4.9	124.9	5.0
1972	119.9	1.1	120.5	5.1	118.9	5.0
1971	118.6	5.2	114.7	6.9	113.2	5.6
1970	112.7	5.1	107.3	4.4	106.2	3.3
1969	107.2	3.9	102.8	1.9	102.8	1.9
1968	103.2	3.2	100.9	0.9	100.9	0.9
1967	100.0	2.9	100.0	0.4	100.0	0.9
1966	97.2	1.4	99.6	0.2	99.1	0.0
1965	95.9	1.7	99.4	0.0	99.1	(0.5)
1964	94.3	1.4	99.4	0.0	99.6	(0.5)
1963	93.0	0.5	99.4	0.0	100.1	0.0
1962	92.5	2.1	99.4	0.0	100.1	0.0

*Data beginning 1978 are for All Urban Consumers, earlier data are for Urban Wage Earners and Clerical Workers.

Source: U.S. Department of Labor, Bureau of Labor Statistics, CPI Detailed Report and Monthly Labor Review.

TABLE 83

RESIDENTIAL ELECTRICITY AND CONSUMER PRICE INDEX TOTAL ELECTRIC UTILITY INDUSTRY

Year	Average Revenue per Residential kWh Used	Average Rate per kWh Based on Average of Typical Bills in Cities* Price per kWh for Monthly Use of: 100 kWh	250 kWh	500 kWh	750 kWh	1,000 kWh	U.S. Bureau of Labor Statistics Index Numbers Based on 1967 = 100†	
	(Energy Information Administration)						Electricity	Consumer Price Index
1985	**7.40¢p**	....	....	....	....	....	**364.1**	**322.2**
1984	7.17r	....	9.04¢	8.37¢	7.71¢	7.64¢	351.8	311.1
1983	6.83	....	8.63	8.04	7.30	7.28	330.6	298.4
1982	6.44	....	8.29	7.67	7.03	7.00	320.3	289.1
1981	5.86	....	7.93	7.39	6.68	6.64	291.5	272.4
1980	5.12	....	7.10	6.52	5.87	5.82	253.4	246.8
1979	4.43	....	6.11	5.56	4.92	4.87	219.1	217.4
1978	4.03	7.10¢	5.54	4.61	4.36	4.31	203.4	195.4
1977	3.78	6.87	5.39	4.44	4.16	4.10	189.3	181.5
1976	3.45	6.54	5.14	4.17	3.90	3.82	177.6	170.5
1975	3.21	6.15	4.82	3.85	3.57	3.49	167.0	161.2
1974	2.83	5.89	4.60	3.59	3.30	3.23	147.5	147.7
1973	2.38	4.99	3.79	2.82	2.55	2.49	124.9	133.1
1972	2.29	4.65	3.47	2.51	2.26	2.19	118.9	125.3
1971	2.19	4.51	3.34	2.40	2.15	2.07	113.2	121.3
1970	2.10	4.25	3.14	2.23	2.00	1.92	106.2	116.3
1969	2.09	4.09	3.00	2.10	1.90	1.83	102.8	109.8
1968	2.12	4.05	2.96	2.06	1.86	1.80	100.9	104.2
1967	2.17	4.03	2.95	2.07	1.89	1.83	100.0	100.0
1966	2.20	4.03	2.95	2.07	1.89	1.83	99.1	97.2
1965	2.25	4.00	2.94	2.07	1.89	1.83	99.1	94.5

**As determined by the Energy Information Administration in its "Typical Electric Bills." The figures cover rate schedules as of December 31 in all cities with populations of 2,500 or more.*

† "Index numbers" are percentages of the base year 1967. For a description of the components and characteristics of this Index, see BLS Handbook of Methods, Bulletin #1711 for 1971. Data beginning 1978 are for All Urban Consumers; earlier data are for Urban Wage Earners and Clerical Workers.

p Preliminary. r Revised.

TABLE 84

PRODUCER PRICE INDEX – ALL ITEMS AND SELECTED INDUSTRIAL COMMODITIES

1967 EQUALS 100

Year	All Items		Metals and Metal Products		Machinery and Equipment		Furniture and Household Durables		Fuels and Related Products and Power	
	Index	Percent Increase	Index	Percent Increase	Index	Percent Increase	Index	Percent Increase	Index	Percent Increase
1985	**308.7**	**(0.5)**	**314.9**	**(0.3)**	**298.1**	**1.7**	**221.6**	**1.4**	**633.6**	**(3.6)**
1984	310.3	2.4	316.0	2.9	293.1	2.3	218.6	2.2	657.0	(1.3)
1983	303.1	1.3	307.1	1.8	286.4	2.8	213.9	3.4	665.9	(4.0)
1982	299.3	2.0	301.8	0.5	278.7	5.9	206.8	4.2	693.4	(0.1)
1981	293.4	9.2	300.4	4.9	263.1	9.7	198.4	5.7	694.4	21.0
1980	268.8	14.1	286.4	10.5	239.8	12.1	187.7	9.6	574.0	40.7
1979	235.6	12.6	259.3	14.2	213.9	9.1	171.3	6.8	408.1	26.5
1978	209.3	7.8	227.1	8.7	196.1	7.9	160.4	5.9	322.5	6.7
1977	194.2	6.1	209.0	6.7	181.7	6.3	151.5	4.1	302.2	13.8
1976	183.0	4.6	195.9	5.5	171.0	5.9	145.6	4.2	265.6	8.4
1975	174.9	9.2	185.6	8.0	161.4	15.8	139.7	9.2	245.1	17.7
1974	160.1	18.9	171.9	29.4	139.4	14.5	127.9	11.0	208.3	55.1
1973	134.7	13.1	132.8	7.5	121.7	3.2	115.2	3.4	134.3	13.8
1972	119.1	4.5	123.5	4.0	117.9	2.1	111.4	1.3	118.6	3.0
1971	114.0	3.3	118.7	1.8	115.5	3.7	110.0	2.3	115.2	8.5
1970	110.4	3.7	116.6	7.5	111.4	4.6	107.5	2.5	106.2	5.3
1969	106.5	3.9	108.5	5.8	106.5	3.2	104.9	2.0	100.9	2.0
1968	102.5	2.5	102.6	2.6	103.2	3.2	102.8	2.8	98.9	(1.1)
1967	100.0	0.1	100.0	1.2	100.0	3.3	100.0	2.0	100.0	2.2
1966	99.8	3.3	98.8	2.5	96.8	3.1	98.0	1.1	97.8	2.4
1965	96.6	2.0	96.4	2.8	93.9	1.1	96.9	(0.5)	95.5	1.9

Year	Coal		Gas Fuels		Electric Power		Crude Petroleum		Petroleum Products, Refined	
	Index	Percent Increase	Index	Percent Increase	Index	Percent Increase	Index	Percent Increase	Index	Percent Increase
1985	**546.7**	**0.1**	**1,047.0**	**(5.7)**	**453.6**	**3.1**	**619.4**	**(7.6)**	**633.1**	**(4.8)**
1984	546.0	1.7	1,109.9	(3.3)	440.0	5.3	670.5	(1.6)	665.3	(3.1)
1983	536.8	0.3	1,147.9	8.2	418.0	2.8	681.5	(7.1)	686.4	(9.9)
1982	535.3	7.6	1,061.2	12.9	406.6	10.9	733.5	(8.7)	761.5	(5.5)
1981	497.3	6.4	939.8	23.5	366.8	14.1	803.6	44.4	805.8	19.4
1980	467.3	3.6	760.7	39.8	321.6	18.7	556.4	47.8	674.7	51.7
1979	450.9	4.9	544.1	26.9	270.9	8.1	376.5	25.4	444.8	38.6
1978	430.0	10.4	428.7	10.5	250.6	7.6	300.1	9.4	321.0	4.2
1977	389.4	5.6	387.8	35.2	232.9	12.1	274.2	8.1	308.2	11.4
1976	368.7	(4.4)	286.8	32.3	207.6	7.4	253.6	3.2	276.6	7.4
1975	385.8	16.1	216.7	33.6	193.4	18.6	245.7	16.0	257.5	15.3
1974	332.4	52.4	162.2	28.0	163.1	26.1	211.8	68.1	223.4	73.5
1973	218.1	12.5	126.7	11.0	129.3	6.4	126.0	10.7	128.7	18.2
1972	193.8	6.5	114.1	5.2	121.5	4.6	113.8	(0.7)	108.9	1.6
1971	182.0	21.1	108.5	4.7	116.2	9.7	114.6	8.0	107.2	6.1
1970	150.3	33.5	103.6	11.0	105.9	4.0	106.1	0.9	101.0	1.4
1969	112.6	8.6	93.3	0.5	101.8	0.9	105.2	4.4	99.6	1.5
1968	103.7	3.7	92.7	(7.3)	100.9	0.9	100.8	0.8	98.1	(1.9)
1967	100.0	4.7	100.0	3.5	100.0	0.4	100.0	1.1	100.0	2.7
1966	95.5	2.2	96.7	4.2	99.6	(0.5)	98.9	0.7	97.4	3.8
1965	93.4	(0.4)	92.8	2.3	100.1	(0.3)	98.2	(0.1)	93.8	3.4

Source: U.S. Department of Labor, Bureau of Statistics, Producer Price Indexes.

TABLE 85

COST TRENDS OF ELECTRIC LIGHT AND POWER CONSTRUCTION*

BY GEOGRAPHIC DIVISIONS—1965-1986
1973 EQUALS 100

Date	North Atlantic	South Atlantic	North Central	South Central	Plateau	Pacific
Jan. 1, 1986	246	241	247	249	247	260
July 1, 1985	244	240	245	247	247	258
Jan. 1, 1985	243	241	245	249	248	258
July 1, 1984	239	237	241	246	248	259
Jan. 1, 1984	233	233	236	243	244	255
July 1, 1983	231	233	236	242	245	254
Jan. 1, 1983	226	230	231	239	240	250
July 1, 1982	222	227	229	234	236	247
Jan. 1, 1982	218	222	226	231	232	240
July 1, 1981	209	218	215	222	222	230
Jan. 1, 1981	203	210	208	214	216	225
July 1, 1980	193	197	196	203	202	209
Jan. 1, 1980	186	191	190	195	197	200
July 1, 1979	178	182	181	187	188	192
Jan. 1, 1979	168	174	173	178	179	181
July 1, 1978	161	165	165	169	170	173
Jan. 1, 1978	156	161	159	164	166	168
July 1, 1977	154	158	157	162	163	165
Jan. 1, 1977	147	152	149	155	155	157
July 1, 1976	145	148	146	151	152	151
Jan. 1, 1976	140	144	141	146	145	146
July 1, 1975	138	140	140	142	143	141
Jan. 1, 1975	130	133	132	134	133	132
July 1, 1974	119	120	120	122	120	120
Jan. 1, 1974	105	105	104	105	105	105
July 1, 1973	100	100	100	100	100	100
Jan. 1, 1973	95	96	96	95	96	96
July 1, 1972	93	94	94	93	94	94
Jan. 1, 1972	92	91	94	91	92	93
July 1, 1971	87	88	90	88	89	89
Jan. 1, 1971	83	84	86	85	85	85
July 1, 1970	80	81	83	83	82	82
Jan. 1, 1970	77	79	80	80	80	80
July 1, 1969	74	76	77	77	77	77
Jan. 1, 1969	72	73	74	74	74	74
July 1, 1968	71	71	72	73	73	73
Jan. 1, 1968	69	70	71	72	72	72
July 1, 1967	68	68	69	70	70	71
Jan. 1, 1967	67	67	67	68	68	69
July 1, 1966	66	66	66	67	67	68
Jan. 1, 1966	64	65	65	66	66	67
July 1, 1965	64	64	65	65	66	66
Jan. 1, 1965	63	63	63	64	65	65

** Index numbers shown are a composite of over 50 material and labor items included in the Handy-Whitman Index service of cost indexes of construction and equipment, all steam.*

Source: Handy-Whitman Index of Public Utility Construction Costs. Published by courtesy of Whitman, Requardt and Associates, Baltimore, Maryland.

TABLE 86

COST OF INDUSTRIAL PURCHASED ELECTRIC POWER AS A PERCENT OF VALUE OF PRODUCT SHIPMENT

U.S. AVERAGE 1979—1984

Standard Industrial Classification	Industry	1984	1983	1982	1981	1980	1979
20	Food and Kindred Products	0.9	0.9	0.8	0.8	0.7	0.6
21	Tobacco Manufacturers	0.4	0.4	0.4	0.4	0.5	0.4
22	Textile Mill Products	2.3	2.2	2.2	1.9	1.8	1.8
23	Apparel and Other Textile Products	0.8	0.7	0.7	0.7	0.7	0.6
24	Lumber and Wood Products	1.5	1.4	1.5	1.3	1.1	1.0
25	Furniture and Fixtures	0.9	0.9	0.9	0.9	0.8	0.8
26	Paper and Allied Products	3.9	4.1	3.8	3.6	3.3	3.1
27	Printing and Publishing	0.8	0.7	0.7	0.7	0.7	0.6
28	Chemicals and Allied Products	3.0	3.0	3.3	3.0	2.8	2.8
29	Petroleum and Coal Products	1.1	1.0	0.8	0.7	0.7	0.7
30	Rubber and Miscellaneous Plastics Products	2.0	2.1	2.1	2.0	1.9	1.7
31	Leather and Leather Products	0.8	0.8	0.7	0.7	0.7	0.6
32	Stone, Clay and Glass Products	2.9	2.9	2.9	2.7	2.5	2.3
33	Primary Metal Industries	4.8	4.6	4.6	3.8	3.5	3.2
34	Fabricated Metal Products	1.3	1.2	1.2	1.1	1.0	0.9
35	Machinery, Except Electrical	0.9	0.9	0.9	0.8	0.7	0.7
36	Electric and Electronic Equipment	1.0	1.0	1.0	1.0	0.9	0.8
37	Transportation Equipment	0.6	0.7	0.7	0.7	0.7	0.5
38	Instruments and Related Products	0.8	0.8	0.7	0.7	0.6	0.6
39	Miscellaneous Manufacturing Industries	0.9	0.9	0.8	0.8	0.7	0.7
	Total Manufacturing	1.5	1.5	1.5	1.4	1.4	1.3

Source: U.S. Department of Commerce. Bureau of the Census. Annual Survey of Manufactures. Statistics for Industry Groups and Industries.

TABLE 87

WEIGHTED AVERAGE ELECTRIC BILLS (DOLLARS)

BY CENSUS DIVISION AND CERTAIN CLASS OF SERVICE

1984—1985

Residential Service

Division	January 1, 1985					January 1, 1984				
	250 kWh	500 kWh	750 kWh	1,000 kWh	2,500 kWh	250 kWh	500 kWh	750 kWh	1,000 kWh	2,500 kWh
New England	$26.67	$49.57	$68.12	$ 90.71	$213.05	$26.43	$49.50	$67.01	$ 89.63	$212.11
Middle Atlantic	31.63	57.32	75.23	100.09	236.58	30.28	54.74	71.52	95.20	224.83
East North Central	21.90	39.53	53.94	69.73	150.26	20.67	38.85	51.78	68.83	141.31
West North Central	18.91	35.01	48.22	62.59	128.96	18.47	34.15	46.99	60.96	125.69
South Atlantic	21.58	38.32	53.88	69.81	162.03	20.62	36.66	51.49	66.65	154.28
East South Central	17.44	30.74	42.72	54.59	124.21	17.31	30.47	42.29	54.01	122.74
West South Central	21.68	38.06	52.33	66.40	145.13	20.90	36.38	49.99	64.80	139.42
Mountain	20.41	36.78	52.58	67.84	153.94	19.24	34.39	48.37	62.26	141.55
Pacific	16.84	37.24	55.68	78.38	196.73	15.24	34.08	48.85	69.01	174.02
Alaska & Hawaii	29.25	52.70	76.06	99.42	239.61	29.34	52.95	76.62	100.15	241.32
U.S. Average	$22.61	$41.86	$57.86	$ 76.37	$175.99	$21.57	$40.18	$54.76	$ 72.77	$166.00

Commercial Service

	January 1, 1985					January 1, 1984				
	12 kW 1,500 kWh	30 kW 6,000 kWh	40 kW 10,000 kWh	50 kW 12,500 kWh	100 kW 30,000 kWh	12 kW 1,500 kWh	30 kW 6,000 kWh	40 kW 10,000 kWh	50 kW 12,500 kWh	100 kW 30,000 kWh
New England	$191.32	$651.98	$1,000.00	$1,234.53	$2,745.97	$187.78	$644.07	$ 984.69	$1,217.13	$2,695.93
Middle Atlantic	240.65	814.54	1,239.66	1,547.39	3,443.94	257.03	799.54	1,203.31	1,502.93	3,298.05
East North Central	156.30	539.48	836.12	1,038.20	2,332.40	149.17	520.30	806.76	1,001.31	2,254.10
West North Central	120.45	430.41	665.76	823.66	1,818.23	119.48	427.82	659.26	815.15	1,795.03
South Atlantic	128.12	469.45	731.52	906.00	2,020.01	123.98	452.64	708.51	878.22	1,961.05
East South Central	105.72	379.63	608.59	758.16	1,751.98	104.88	376.27	601.76	749.63	1,733.70
West South Central	130.10	461.76	715.24	886.24	1,952.21	128.36	450.15	697.00	863.46	1,919.52
Mountain	118.93	438.42	719.93	900.41	1,970.47	111.46	441.34	667.82	823.56	1,795.26
Pacific	131.90	510.12	822.10	1,024.39	2,402.71	118.45	459.19	736.82	918.46	2,149.93
Alaska & Hawaii	162.23	608.06	982.23	1,224.38	2,875.17	163.05	611.37	987.75	1,231.27	2,891.78
U.S. Average	$162.81	$574.30	$ 892.88	$1,110.79	$2,495.24	$153.68	$533.76	$ 825.36	$1,025.83	$2,298.85

Industrial Service

	January 1, 1985				January 1, 1984			
	150 kW 30,000 kWh	300 kW 60,000 kWh	1,000 kW 200,000 kWh	5,000 kW 1,500,000 kWh	150 kW 30,000 kWh	300 kW 60,000 kWh	1,000 kW 200,000 kWh	5,000 kW 1,500,000 kWh
New England	$2,991	$5,668	$17,784	$120,285	$2,785	$5,384	$17,107	$116,955
Middle Atlantic	3,736	7,352	22,316	142,410	3,536	6,894	22,071	134,615
East North Central	2,607	5,031	16,807	102,974	2,492	4,820	15,666	96,642
West North Central	1,961	3,820	12,139	76,555	1,962	3,826	12,144	75,787
South Atlantic	2,277	4,490	14,672	87,771	2,196	4,356	14,267	85,330
East South Central	2,013	4,031	12,462	77,292	1,990	3,985	12,266	76,061
West South Central	2,198	4,343	13,842	88,326	2,138	4,222	13,370	85,592
Mountain	2,245	4,376	13,890	86,095	2,037	3,932	12,523	78,083
Pacific	2,510	4,958	16,373	114,327	2,262	4,464	14,780	102,393
Alaska & Hawaii	3,169	6,050	19,341	127,539	3,183	6,079	19,410	128,734
U.S. Average	$2,628	$5,136	$16,621	$105,606	$2,500	$4,891	$15,769	$ 99,975

Source: U.S. Department of Energy. Energy Information Administration. Typical Electric Bills

TABLE 88

CIRCUIT MILES OF OVERHEAD ELECTRIC LINE OF 22,000 VOLTS AND ABOVE IN SERVICE – TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND VOLTAGE GROUPS

Division/State	Circuit Miles 1985	1984r	1983r
Total United States*	**607,052**	**601,261**	**590,901**
Maine	3,684	3,740	3,736
New Hampshire	2,278	2,275	2,267
Vermont	1,717	1,704	1,741
Massachusetts	5,295	5,272	5,258
Rhode Island	699	707	703
Connecticut	1,815	1,740	1,736
New England	**15,488**	**15,438**	**15,441**
New York	20,777	20,050	20,303
New Jersey	6,310	6,262	6,269
Pennsylvania	20,154	19,328	19,484
Middle Atlantic	**47,241**	**45,640**	**46,056**
Ohio	21,585	21,332	21,385
Indiana	14,812	14,881	14,776
Illinois	16,873	16,962	16,369
Michigan	18,021	17,970	17,981
Wisconsin	9,547	9,641	9,598
East North Central	**80,838**	**80,786**	**80,109**
Minnesota	10,318	10,358	10,355
Iowa	10,938	10,956	11,203
Missouri	11,929	11,915	11,208
North Dakota	7,018	7,031	6,963
South Dakota	6,828	6,720	6,826
Nebraska	13,240	13,143	12,312
Kansas	10,791	10,782	10,040
West North Central	**71,062**	**70,905**	**68,907**
Delaware	2,468	2,369	2,210
Maryland	8,682	8,676	8,649
District of Columbia	12	12	12
Virginia	12,131	11,843	11,536
West Virginia	7,458	7,396	7,449
North Carolina	23,285	23,053	22,610
South Carolina	19,337	19,165	19,011
Georgia	21,380	21,353	20,774
Florida	16,015	15,483	14,844
South Atlantic	**110,768**	**109,350**	**107,095**
Kentucky	12,812	12,721	12,410
Tennessee	29,622	29,533	28,487
Alabama	13,926	13,821	13,672
Mississippi	12,952	12,830	12,565
East South Central	**69,312**	**68,905**	**67,134**
Arkansas	7,209	7,064	6,787
Louisiana	11,553	11,415	11,127
Oklahoma	10,550	11,085	11,233
Texas	45,746	44,854	43,702
West South Central	**75,058**	**74,418**	**72,849**
Montana	10,385	10,413	10,285
Idaho	11,636	11,566	11,495
Wyoming	4,983	4,980	4,942
Colorado	7,091	6,907	6,947
New Mexico	7,191	6,955	6,454
Arizona	11,345	11,235	11,044
Utah	6,209	5,792	5,784
Nevada	6,474	6,385	6,368
Mountain	**65,314**	**64,233**	**63,319**
Washington	17,706	17,552	16,918
Oregon	11,650	11,647	11,107
California	40,930	40,838	40,500
Pacific	**70,286**	**70,037**	**68,525**
Alaska	99	79	80
Hawaii	1,586	1,470	1,386
Alaska & Hawaii	**1,685**	**1,549**	**1,466**

Nominal Voltage	Circuit Miles 1985	1984r	1983r
Total	**607,052**	**601,261**	**590,901**
22,000- 30,000	83,120	81,445	79,285
31,000- 40,000	66,405	65,832	65,285
41,000- 50,000	37,879	38,028	37,278
51,000- 70,000	105,471	104,744	102,018
71,000-131,000	92,796	92,772	94,318
132,000-143,000	67,538	67,251	64,173
144,000-188,000	21,971	22,979	24,995
189,000-253,000	61,291	60,566	60,742
254,000-400,000	44,046	42,311	39,669
401,000-600,000	23,513	22,391	20,466
601,000-800,000	3,022	2,942	2,672

*Does not include the following miles of line operated by REA Cooperatives: 1985 – 70,900; 1984 – 70,400; 1983 – 69,200.
r Revised.

TABLE 89

CIRCUIT MILES OF OVERHEAD ELECTRIC LINE OF 22,000 VOLTS AND ABOVE IN SERVICE—INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND VOLTAGE GROUPS

Division/State	Circuit Miles 1985	1984r	1983r
Total United States	**480,204**	**474,839**	**467,707**
Maine	3,659	3,715	3,711
New Hampshire	2,278	2,275	2,267
Vermont	1,682	1,672	1,709
Massachusetts	5,268	5,243	5,229
Rhode Island	699	707	703
Connecticut	1,781	1,706	1,702
New England	**15,367**	**15,318**	**15,321**
New York	19,652	19,018	19,176
New Jersey	6,300	6,252	6,259
Pennsylvania	20,154	19,328	19,484
Middle Atlantic	**46,106**	**44,598**	**44,919**
Ohio	21,528	21,276	21,329
Indiana	14,701	14,765	14,656
Illinois	16,647	16,734	16,160
Michigan	17,948	17,897	17,902
Wisconsin	9,471	9,555	9,522
East North Central	**80,295**	**80,227**	**79,569**
Minnesota	9,964	10,025	10,015
Iowa	10,416	10,435	10,632
Missouri	10,889	10,801	10,104
North Dakota	4,997	5,011	4,940
South Dakota	3,436	3,328	3,430
Nebraska	94	94	94
Kansas	10,070	10,057	9,915
West North Central	**49,866**	**49,751**	**49,130**
Delaware	2,439	2,340	2,181
Maryland	8,679	8,673	8,646
District of Columbia	12	12	12
Virginia	11,127	10,839	10,709
West Virginia	7,458	7,396	7,449
North Carolina	22,595	22,368	22,035
South Carolina	16,045	15,873	15,720
Georgia	16,346	16,340	15,880
Florida	12,268	12,031	11,422
South Atlantic	**96,969**	**95,872**	**94,054**
Kentucky	7,895	7,873	7,540
Tennessee	243	242	239
Alabama	9,738	9,633	9,596
Mississippi	9,593	9,471	9,344
East South Central	**27,469**	**27,219**	**26,719**
Arkansas	6,630	6,486	6,209
Louisiana	11,352	11,221	10,948
Oklahoma	8,178	8,410	8,084
Texas	41,495	40,580	39,466
West South Central	**67,655**	**66,697**	**64,707**
Montana	8,029	8,049	8,104
Idaho	10,861	10,788	10,717
Wyoming	2,990	2,987	2,949
Colorado	4,553	4,389	4,416
New Mexico	6,999	6,767	6,273
Arizona	6,856	6,815	6,643
Utah	6,038	5,606	5,598
Nevada	4,580	4,455	4,438
Mountain	**50,906**	**49,856**	**49,138**
Washington	4,106	4,014	3,697
Oregon	6,185	6,190	5,763
California	33,689	33,625	33,302
Pacific	**43,980**	**43,829**	**42,762**
Alaska	5	2	2
Hawaii	1,586	1,470	1,386
Alaska & Hawaii	**1,591**	**1,472**	**1,388**

Nominal Voltage	Circuit Miles 1985	1984r	1983r
Total	**480,204**	**483,001**	**450,109**
22,000- 30,000	52,420	59,207	33,014
31,000- 40,000	59,207	58,664	57,866
41,000- 50,000	33,014	33,160	33,063
51,000- 70,000	87,020	86,949	84,905
71,000-131,000	74,690	74,573	75,692
132,000-143,000	61,320	61,061	60,562
144,000-188,000	9,962	10,048	9,703
189,000-253,000	46,655	46,139	45,472
254,000-400,000	37,559	35,954	34,569
401,000-600,000	16,045	15,014	13,300
601,000-800,000	2,312	2,232	1,963

r Revised

TABLE 90

AVERAGE NUMBER OF EMPLOYEES INVESTOR-OWNED ELECTRIC UTILITIES

ELECTRIC DEPARTMENT

Year	Operation and Maintenance	Construction	Total
1985	**403,497**	**121,006**	**524,503**
1984	395,500	120,600	516,100
1983	397,800	115,400	513,200
1982	388,400	116,700	505,100
1981	375,900	114,600	490,500
1980	368,400	108,200	476,600
1979	356,200	106,800	463,000
1978	341,500	103,000	444,500
1977	326,800	99,700	426,500
1976	317,600	99,100	416,700
1975	310,500	101,000	411,500
1974	311,700	107,400	419,100
1973	307,200	107,900	415,100
1972	299,200	102,300	401,500
1971	295,200	98,500	393,700
1970	290,200	94,700	384,900
1969	282,600	89,900	372,500
1968	279,300	86,000	365,300
1967	275,500	81,900	357,400
1966	271,000	78,100	349,100
1965	268,400	77,000	345,400

GLOSSARY

Allowance for Funds Used During Construction (AFUDC): An amount recorded by a company to represent the cost of those funds used to finance construction work in progress. See Glossary of Electric Utility Terms.

Capability: The maximum load which a generating unit, generating station, or other electrical apparatus can carry under specified conditions for a given period of time, without exceeding approved limits of temperature and stress.

Capacity: The load for which a generating unit, generating station, or other electrical apparatus is rated either by the user or by the manufacturer. See also Name Plate Rating.

Capital Expenditures: Cost of construction of new utility plant (additions, betterments, and replacements) and expenditures for the purchase or acquisition of existing utility plant facilities.

Capitalization: The total of: Long-Term Debt, Preferred Stock and Common Stock Equity. For balance sheet presentation, several modifications are sometimes made: current maturities of Long-Term Debt are not included in the Capitalization section, but Short-Term Debt (with an original maturity of less than one year) which will be refinanced by Long-Term Debt is sometimes included.

Class of Service: A group of customers with similar characteristics (i.e., residential, commercial, industrial, sales for resale, etc.) which are identified for the purpose of setting a rate for electric service.

Construction Expenditures: Expenditures (may or may not include Interest and/or Other Overheads Charged to Construction) for construction including additions to and betterments, renewals, and replacements of utility plant during a specific period, but not money spent for maintenance or for the acquisition of existing utility systems or segments.

Consumer Price Index (CPI): This index is issued by the U.S. Department of Labor, Bureau of Labor Statistics, as a measure of average changes in the retail prices of goods and services usually bought by two groups. The first group consists of the families of wage earners and clerical workers living in cities. The second group consists of all urban consumers.

Customers, Average: The arithmetic averages of month-end customers in each of 12 consecutive months. For those billed other than every month, the number of such customers is adjusted to a 12-month basis (e.g., for bimonthly billing the number of customers billed, or counted, in each month is multiplied by two and the resultant averaged for the 12-month period).

Demand: The rate at which electric energy is delivered to or by a system, part of a system, or a piece of equipment. It is expressed in kilowatts, kilovoltamperes or other suitable unit at a given instant or averaged over any designated period of time. The primary source of "Demand" is the power-consuming equipment of the customers.

Electric Generation—Net: Gross generation less kilowatthours consumed for generation station use.

Electric Utility Industry: All enterprises engaged in the production and/or distribution of electricity for use by the public, including:

Investor-Owned Electric Utilities organized as tax-paying business usually financed by the sale of securities, in the free market.

Cooperatively-Owned Utilities A group of persons who have organized a joint venture for the purpose of supplying electric energy to a specified area.

Government-Owned includes municipal systems, federal agencies, state projects, and public power districts, and, where the data are not separable, those industrial plants contributing to the public supply.

Expenses, Operating: A group of expenses applicable to utility operations composed of: Operation Expense, Maintenance Expense, Provisions for Depreciation and Amortization, Taxes Other Than Income Taxes, Income Taxes, Provisions for Deferred Income Taxes, Income Taxes Deferred in Prior Years—Credit, and Investment Tax Credit Adjustments—Net.

Fuels, Fossil: Any naturally occurring fuel of an organic nature, such as coal, crude oil, and natural gas.

Industrial Electric Power: Electric generating stations operated by Industrial establishments.

Load Factor: The ratio of the average load in kilowatts supplied during a designated period to the peak or maximum load in kilowatts occurring in that period. Load factor, in percent, also may be derived by multiplying the kilowatthours in the period by 100 and dividing by the product of the maximum demand in kilowatts and the number of hours in the period.

Margin, Percent Capacity: The difference between capability and peak load divided by the capability times 100. Should not be confused with Percent Reserve Margin in which the difference is divided by the peak load.

Name Plate Rating: The full-load continuous rating of a generator, prime mover or other electrical equipment under specified conditions as designated by the manufacturer.

Output, Weekly Electric: The sum of the system output of all investor-owned utilities, rural electric cooperatives, and government power projects in the contiguous United States adjusted for all inter-utility deliveries.

Peak Load: See Demand—The greatest demand which occurs during a specified period of time.

Prime Mover: The engine, turbine, water wheel, or similar machine which drives an electric generator.

Producers Price Index: Formerly known as the wholesale price index, this index is the oldest continuous statistical series published by BLS. It is designed to measure average changes in prices of all commodities, at all stages of processing, produced or imported for sale in primary markets in the U.S.

Revenue, Average: Revenue from the sale of electricity (exclusive or forfeited discounts and penalties) for a particular class of service divided by the corresponding number of kilowatthours sold.

Utility Plant, Electric: All equipment used for the generation, transmission, and distribution of electricity, or an account in which record is kept of this equipment. Includes plant in service, purchased or sold, in process of reclassification, leased to others, held for future use, and under construction, and acquisition adjustments and adjustment accounts, without deduction of Accumulated Provision for Depreciation and Amortization.

INDEX

Balance Sheet Items
Investor-owned utilities, 82.

Capability—13, 14.

Capacity
United States—name plate, 7, 13.
By ownership and type, 6, 8.
By state and type, 10, 11.
Changes, 12.
World, 17.

Capitalization
Investor-owned utilities, 82, 85.

Common Stock Averages
Moody's 24 utilities, 89.

Construction
Expenditures—by type of plant, 80, 81.
Cost trends, 93.

Consumer Price Index—90, 91.

Customers
By year and class, 53, 54.
By state and class, 55, 56, 57, 58.
Average number, 59, 60, 61, 62.

Electric Lines—95, 96.

Employees
Investor-owned utilities, 97.

Energy, Electric
Available—United States, 15, 16.
Imports, 15, 16.
Exports, 16, 44, 64.
Per capita average, 15, 17.
Sales—by year and class, 43, 44.
—in percent of total by class, 45.
—by geographic division, 46.
—by state and class, 47, 48, 49, 50.
—by quarter and class, 51.

Energy, General
Resources production, 38, 40.
Resources consumption, 38, 41, 42.
Supply and disposition, 39.

Expenses, Operating
Investor-owned utilities, 83, 84.

Financing, Long-Term
By type of utility and type of security, 86.

Fuel Statistics
By year and kind of fuel, 29, 30, 33, 35.
By state and kind of fuel, 31, 32, 34.
By geographic division, 34, 35, 36.
Average cost, 37.

Generation
United States, 15, 16, 19—26.
By geographic division, 19, 24, 25.
By ownership and type, 20.
Per kW of capacity, by ownership and type, 22.
In percent of total, by ownership and type, 23.
By state and type, 24, 25.
By month and type, 26.
By kind of fuel, 30, 31.
World, 17.

Heat Rate—33, 34, 35, 36.

Glossary—99.

Income Statement Items
Investor-owned utilities, 83, 84.

Index of Weekly Electric Output—27.

Industrial Electric Power
Generating capacity, 7.
Sales to utility industry, 16.
Purchased power, kWh, by year, 16.
Purchased power cost, 93.

Load Factors—14.

Maps
United States Census geographic divisions, 103.
Regions as used in weekly output, 102.

Nuclear
Installed capacity, 9, 10, 11, 17.
Generation, 17, 21, 23, 24, 25, 26, 29, 30, 31, 39, 40.
Resources production, 40.
Fuel—asset value, 82.

Peak Loads
Non-coincident, 13, 14.

Plant Ratio
kWh generated per kW of capacity, 22.

Population
United States, 15, 17.
Foreign countries, 17.

Producer Price Index—92.

Rates
Average per class of service, 72.

Reserve Margins—14.

Revenues
From energy sales—by year and class, 63, 64.
From exports, 64.
In percent of total by year and class, 65.
By state and class, 66, 67, 68, 69.
By quarter and class, 70.
Per kWh by class, 71, 72.
Annual average per customer, 73, 74, 75, 76, 77, 78, 79.
From operations, 83.

Scope and Coverage of Data—1.

Sources of U.S. Electric Supply—3, 15.

Summary, 1984 and 1983 Data—4, 5.

Taxes—83, 84.

Weekly Electric Output—28.

Yields
On newly issued bonds and preferred stocks, 87.
Average on utility bonds and stocks, 88, 89.

MAJOR GEOGRAPHIC DIVISIONS AS REPORTED BY THE EDISON ELECTRIC INSTITUTE IN ITS WEEKLY RELEASE OF ELECTRIC OUTPUT

Percentages represent net generation in each region as adjusted for net imports.

January 1, 1986

BUREAU OF CENSUS GEOGRAPHIC DIVISIONS AS REPORTED IN THE EDISON ELECTRIC INSTITUTE *STATISTICAL YEARBOOK*

PUBLICATIONS PREPARED BY THE STATISTICS DEPARTMENT

Pub. No.	Title	Unit Price
04-86-12	Electric Power Annual Report	$ 10.00
04-86-13	Statistics on Fuel Used To Generate Electricity By The Electric Utility Industry	10.00
04-86-02	Post-Summer Electric Power Survey	5.00
04-86-04	Catalogue of Investor-Owned Electric Utility Companies Operating in the United States	5.00
04-84-06	Glossary of Electric Utility Terms	5.00
04-86-14	EEI Pocketbook of Electric Utility Industry Statistics	2.50*
04-86-06	Data Tape of Tables Contained in the Statistical Yearbook	250.00
04-81-03	Problems and Limitations of Intercompany Comparisons of Inv.-Owned Electric Utilities	5.00
04-86-15	Statistical Releases	58.00
04-86-16	Statistical Yearbook of the Electric Utility Industry	30.00
04-84-14	Guidelines for Defining and Classifying Electric Customers By Major Energy Use.	1.25

*Minimum order—10 copies